

NOTE: I totally forgot to save the inputs that I used the analysis for – so this is a few hours later with the same configs.

Reference:

<https://medium.com/@jkabrit/metas-post-training-pipeline-for-llama-3-1-e6777801c0a1>

Based on this, in the Rejection Sampling, "The 'garbage in, garbage out' principle is well understood, and pipelines like Llama 3.1's Rejection Sampling aim to filter for high-quality data. However, the very process of generating the candidate responses for this filtering relies on a source of randomness. If that source is a PRNG, its inherent patterns can limit the diversity and quality of the candidates, potentially excluding the best possible outputs.

ERIS, by providing true, high-quality entropy, can ensure that the candidate pool generated during Rejection Sampling is more genuinely diverse and less prone to 'PRNG-induced' patterns or limitations. This means the Reward Model has a higher chance of selecting truly exceptional, non-hallucinatory responses, leading to a significantly better dataset for downstream SFT and DPO. We're not just filtering better; we're generating better raw material for the filtering process itself. My proposed microdemo aims to provide initial evidence for this.

GPT-2 Seeding Experiment

```
Starting LLM Hallucination Experiment with ERIS vs PRNG...
```

```
Loading LLM: gpt2...
```

```
LLM gpt2 loaded successfully. Device: cpu
```

```
--- Experiment for Prompt 1/5 ---
```

```
Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention"
```

```
Generating with ERIS Seed...
```

```
Fetching 4 bytes from ERIS for seed generation...
```

```
Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.
```

```
Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...
```

```
  Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...
```

```
Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set.  
`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main\_classes/text\_generation)
```

```
Received 24 bytes from ERIS. Total fetched so far: 24
```

```
Successfully fetched 24 total bytes from ERIS (originally needed 4).
```

```
ERIS seed bytes: 12665ebb, Integer seed: 308698811
```

```
  Setting global torch seed to ERIS-derived: 308698811
```

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the dragon's true nature.

The mythic dragon was a dragon that would protect the world from the dangers of the dragon, and to protect the earth from the monsters would be a duty.

When the dragon died, the world would be lost forever.

Even if the earth was saved, the dragon would never be able to return.

It was a tragedy.

However, the dragon that died was a dragon that lived in the world.

It was

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the dragon that lurked within the mountains. Therefore, it was thought that this dragon was a child of the ancient prophets, and should be sent to the future.

The dragon that did this was named Aether, and while it was thought that she was a child of the ancient prophets, it was unknown how she was born. However, this dragon had a strong desire to deceive the human race and might act on them. It was thought that she would be sent to the future.

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 90eb7445, Integer seed: 2431349829
Setting global torch seed to ERIS-derived: 2431349829

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more
information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot.

Examples:

A toy has a series of pieces, called pieces, that it plays with in a series of different ways. The pieces are all connected through a series of rules that the toy has to follow, but the rule sets may require a certain number of pieces to complete the sequence.

A toy has an ability to perform a certain function, such as a check before moving its arms or feet.

A toy has a tendency to use certain behaviors (such as a

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot.

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more
information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 93e78af2, Integer seed: 2481425138
Setting global torch seed to ERIS-derived: 2481425138

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Write a short poem about the silence of a winter forest.

If you want to find out more about this poem tell us your story.

I will write it on a piece of paper that you can fold in the winter.

The poem is not just about the silence of the winter; it is about the beauty of the solitude and the silence of the trees.

The writing can be done by yourself and by someone else.

If you want to find out more about this poem tell us your story.

I will

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest.

--- Experiment for Prompt 4/5 ---

Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 63979525, Integer seed: 1670878501

Setting global torch seed to ERIS-derived: 1670878501

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

What if the Roman Empire had access to basic steam power?

The answer is no. The Roman Empire had access to steam power. It's not like the Empire was trying to turn the tide of the world.

What if the Roman Empire had access to air power?

The answer is still no. Air power is actually a problem.

What if the Roman Empire had access to solar power?

The answer is still no. Sun power is actually a problem.

What if the Roman Empire had access to electrical power

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if the Roman Empire had access to basic steam power? The Roman Empire was in need of the oil—and it was in need of the oil, too.

After the collapse of the Roman Empire, the only resource that could be turned to petroleum was oil. As a result, the Roman Empire was left with just over 1.5 million tons of oil reserves, which is about 1 percent of the Empire's total oil reserves.

The Roman Empire was a big, strong military power, and it had the potential to dominate the world.

--- Experiment for Prompt 5/5 ---

Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 97c662e8, Integer seed: 2546361064

Setting global torch seed to ERIS-derived: 2546361064

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Generate a list of three unusual ingredients for a pizza.

A pizza is a pizza that is made with cheese, butter, or other hard foods.

For example, if you have a pizza made with three different kinds of cheese, add the three ingredients listed below.

For the "traditional" pizza, add the following ingredients:

5 oz. (10-20 ounces) whole wheat flour, softened

1/2 cup (12 ounces) dark brown sugar, softened

1/2 cup (12 ounces)

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three unusual ingredients for a pizza. The first ingredient is the eggplant. The second ingredient is the eggplant-based cheesecake. The third ingredient is the eggplant-based cookie. The fourth ingredient is the eggplant-based dessert.

It's not difficult to guess that the recipe is a combination of the four.

The four ingredients are the eggplant, the cheese, the eggplant, and the dessert. The first ingredient is the eggplant; the second ingredient is the eggplant-based cheesecake

--- Example of quantum_choice_sampler (separate from LLM demo) ---

Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta'] using ERIS quantum randomness...

Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 5).

Quantum-selected items (5): ['delta', 'epsilon', 'delta', 'alpha', 'theta']

Starting LLM Hallucination Experiment with ERIS vs PRNG...

Loading LLM: gpt2...

LLM gpt2 loaded successfully. Device: cpu

--- Experiment for Prompt 1/5 ---

Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 4ad8bcaa, Integer seed: 1255718058

Setting global torch seed to ERIS-derived: 1255718058

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the dragon's name, even though the dragon's name was called the Blood Dragon, or Dragon of the Night. The dragon's name was called the Blood Dragon because the blood of the dragon was drawn out of the mountain and was buried in the ground. This became known as the Dragon of the Night.

The night of the Dragon of the Night was called the "Golden Day", and the dragon's name was also known as the Blood Dragon. The Night, however, was never mentioned in

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the dragon that lurked within the mountains. Therefore, it was thought that this dragon was a child of the ancient prophets, and should be sent to the future.

The dragon that did this was named Aether, and while it was thought that she was a child of the ancient prophets, it was unknown how she was born. However, this dragon had a strong desire to deceive the human race and might act on them. It was thought that she would be sent to the future.

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 15ad67f9, Integer seed: 363685881

Setting global torch seed to ERIS-derived: 363685881

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot.

Create a collection of recursion-based operations.

Use recursion-like constructs in a way that they can be easily implemented in a language other than Python.

Make a child process a child process of its own.

See <http://www.python.org/discover/> for more.

Use the recursive syntax for the self-contained data types of your code.

You can also use recursion to create data structures that can be manipulated on

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot.

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 5197afbe, Integer seed: 1368895422

Setting global torch seed to ERIS-derived: 1368895422

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Write a short poem about the silence of a winter forest.

"Catch a girl in the evening. Take her to the town hall. Take her to the bar and pick her up by car."

Some people say that this was not a poem, that it was a call to action. I think they're right. I think it was a call to action for the community. And in my opinion, it is true that in the past it was a call to action for those of us who were still on the fence, because we were

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest.

--- Experiment for Prompt 4/5 ---

Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 39e479b3, Integer seed: 971274675
Setting global torch seed to ERIS-derived: 971274675

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more
information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

What if the Roman Empire had access to basic steam power?

A very real possibility. The first time a ship came ashore in London, the crew had been instructed to make sure that the crew was aware that the city was in the process of decomposing. This was done with the help of a series of instructions and instructions from the captain.

It was a simple matter of securing a vessel with a sufficient supply of water and then a small amount of diesel before the crew could return to the ship.

The crew of the Roman Empire was

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if the Roman Empire had access to basic steam power? The Roman Empire was in need of the oil—and it was in need of the oil, too.

After the collapse of the Roman Empire, the only resource that could be turned to petroleum was oil. As a result, the Roman Empire was left with just over 1.5 million tons of oil reserves, which is about 1 percent of the Empire's total oil reserves.

The Roman Empire was a big, strong military power, and it had the potential to dominate the world.

--- Experiment for Prompt 5/5 ---

Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more

information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 92da07a1, Integer seed: 2463762337
Setting global torch seed to ERIS-derived: 2463762337

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more
information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Generate a list of three unusual ingredients for a pizza. The first is a spicy sauce that can be used to make a sauce of your choice, such as bacon or red sauce. The second is a delicious, spicy pizza that can be used to make a pizza of your choice. Finally, the third is a crust-like sauce that can be used to make a pizza of your choice.

How to Make a Pizza

A pizza starts with two ingredients: salt and pepper. You want to make a pizza crust with the salt that comes from

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three unusual ingredients for a pizza. The first ingredient is the eggplant. The second ingredient is the eggplant-based cheesecake. The third ingredient is the eggplant-based cookie. The fourth ingredient is the eggplant-based dessert.

It's not difficult to guess that the recipe is a combination of the four.

The four ingredients are the eggplant, the cheese, the eggplant, and the dessert. The first ingredient is the eggplant; the second ingredient is the eggplant-based cheesecake

--- Example of quantum_choice_sampler (separate from LLM demo) ---

Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta'] using ERIS quantum randomness...

Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 5).

Quantum-selected items (5): ['alpha', 'beta', 'theta', 'beta', 'gamma']

"EleutherAI/pythia-410m" Seeding Experiment

Starting LLM Hallucination Experiment with ERIS vs PRNG...
Loading LLM: EleutherAI/pythia-410m...

tokenizer_config.json: 100%
396/396 [00:00<00:00, 10.9kB/s]
tokenizer.json: 100%
2.11M/2.11M [00:00<00:00, 19.8MB/s]
special_tokens_map.json: 100%
99.0/99.0 [00:00<00:00, 1.22kB/s]
config.json: 100%
570/570 [00:00<00:00, 13.6kB/s]
model.safetensors: 100%
911M/911M [00:10<00:00, 55.5MB/s]
LLM EleutherAI/pythia-410m loaded successfully. Device: cpu

--- Experiment for Prompt 1/5 ---

Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Asking to truncate to max_length but no maximum length is provided and the model has no predefined maximum length. Default to no truncation.

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 4c7b1cfd, Integer seed: 1283136765

Setting global torch seed to ERIS-derived: 1283136765

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the beast that was to be the ruler of the world. The prophecy came true and the dragon was destroyed by the gods. The gods had been angry at the destruction of the beast and they had

cast the dragon into a deep cave. The cave was filled with darkness and the dragon was trapped.

The ancient prophecy spoke of a great beast that had been formed with the powers of the gods of the world. It had the power of the god of the world. In the ancient prophecy the dragon

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the dragons that would come to life in the future and wreak havoc on the land. It also failed to mention that the prophecy was not set in the past.

So did it matter that the prophecy was not set in the past?

The ancient prophecy said that the dragon would come, but what did it mean?

The ancient prophecy spoke of a dragon that slept under the mountain.

It also spoke of a dragon that would come, but what does it mean

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=117) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: e7b15ece, Integer seed: 3887161038

Setting global torch seed to ERIS-derived: 3887161038

Both `max_new_tokens` (=100) and `max_length` (=117) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot.

The concept of recursion was introduced by John von Neumann in his seminal paper "Theory

of Computation”, which I discuss in the next chapter. In the paper, he states that “All the steps in a computation are recursive.” This definition of recursion is much more general than the notion of recursion used in modern programming languages. In other words, the definition is not about the order of the steps.

In a modern programming language, the order of the steps is in effect the language

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot.

Why do you need to know the concept of recursion to know the answer to your question?

For example, if you told the child that you would like to learn how to play a game which requires recursion, she would probably be happy to know that as the game is recursive, you need also know how to play a game in order to play the game.

I have a question about recursion. I am trying to make a game where I have a base game and a second

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 69e2cea9, Integer seed: 1776471721

Setting global torch seed to ERIS-derived: 1776471721

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Write a short poem about the silence of a winter forest. Do not use a word to describe the sound of the leaves falling.

[Illustration: SEVEN

VIBRATING RHYTHMS]

The first line of a poem is usually the first thing to be read by the reader when he starts to write it. It is the most important line in the verse of the poem; in a poem, the line that is the most important is usually the first; and in a poem, the line that is

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

--- Experiment for Prompt 4/5 ---

Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: b5cf2088, Integer seed: 3050250376

Setting global torch seed to ERIS-derived: 3050250376

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

What if the Roman Empire had access to basic steam power?

The Roman Empire was an advanced civilization with a well-developed civilization, and it was capable of making a long-term strategic decision. The Roman Empire had plenty of steam power, so it was able to use it to power its entire society.

"The Romans did not have the energy to make a long-term decision."

"You're right. But the Romans are also a long-term decision maker. Their civilization and their civilization was capable of making a long-

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if the Roman Empire had access to basic steam power?

By the end of the 13th century, the Roman Empire had a massive fleet of steam ships, a huge fleet of warships, and a fleet of massive land-based steam engines. The Empire had all of these things at its disposal, and it was the Romans' primary concern to build the best possible ship. Their priority was to build the best weaponry possible. So, they built the greatest steam engine that they could, and they built the best steam engine that they could,

--- Experiment for Prompt 5/5 ---

Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=111) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 8a88a9e4, Integer seed: 2324212196

Setting global torch seed to ERIS-derived: 2324212196

Both `max_new_tokens` (=100) and `max_length` (=111) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Generate a list of three unusual ingredients for a pizza.

“We’ve been doing this for a couple of months now and I’m not sure how to make it work,” said Mike, the executive producer of the show. “We’re getting feedback from our audience and we’re trying to figure out the best way to do it.”

A pizza?

“We’re talking about pizza, so I’m not sure how to do it,” Mike said, adding that the show would be more about food than

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three unusual ingredients for a pizza.

By

I'm a freelance writer and photographer who lives in the UK. I've been involved in the arts industry ever since I was a 16-year-old kid. I've taught myself how to bake, I've written short stories, and I've written a screenplay. I also enjoy playing guitar, playing the drums, and writing songs.

Comments

If you are looking for a new hobby or just want a new perspective on life, check out our website

--- Example of quantum_choice_sampler (separate from LLM demo) ---

Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta'] using ERIS quantum randomness...

Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 5).

Quantum-selected items (5): ['beta', 'delta', 'beta', 'delta', 'theta']

Starting LLM Hallucination Experiment with ERIS vs PRNG...
Loading LLM: EleutherAI/pythia-410m...
LLM EleutherAI/pythia-410m loaded successfully. Device: cpu

--- Experiment for Prompt 1/5 ---

Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Asking to truncate to max_length but no maximum length is provided and the model has no predefined maximum length. Default to no truncation.

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 3b71598d, Integer seed: 997284237

Setting global torch seed to ERIS-derived: 997284237

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more

information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention that the dragon was a human.

"That's not true," I said, pushing back my hair. "Human dragons go around."

"There's no such thing as the human dragon," said Gabe.

"We're talking about the same thing right here," said John. "There are dragons in the real world, but they're not the same thing as humans."

"You're saying the same thing to me." I pointed at him. "You

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the dragons that would come to life in the future and wreak havoc on the land. It also failed to mention that the prophecy was not set in the past.

So did it matter that the prophecy was not set in the past?

The ancient prophecy said that the dragon would come, but what did it mean?

The ancient prophecy spoke of a dragon that slept under the mountain.

It also spoke of a dragon that would come, but what does it mean

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=117) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 461daf16, Integer seed: 1176350486
Setting global torch seed to ERIS-derived: 1176350486

Both `max_new_tokens` (=100) and `max_length` (=117) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot.

It is a good lesson to learn that no matter how many stories you tell a child, he will be different because of the way he is told.

When I was a kid, my mother would say, "Don't tell your friends that you were a soldier." She would make an argument with them and say, "Tell your friends that you were a soldier." She would say, "How do you know? You were a soldier!"

She would look at me

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot.

Why do you need to know the concept of recursion to know the answer to your question?

For example, if you told the child that you would like to learn how to play a game which requires recursion, she would probably be happy to know that as the game is recursive, you need also know how to play a game in order to play the game.

I have a question about recursion. I am trying to make a game where I have a base game and a second

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 29f97865, Integer seed: 704215141
Setting global torch seed to ERIS-derived: 704215141

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Write a short poem about the silence of a winter forest.

6

#

The River of the Night

The river of the night

is a river of blood

and blood of the dead

where the dead of the world

are buried in the river of the night.

What is the river of the night?

It is the river of blood.

It is the river of the dead.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

Write a short poem about the silence of a winter forest.

--- Experiment for Prompt 4/5 ---

Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: e0584097, Integer seed: 3763880087

Setting global torch seed to ERIS-derived: 3763880087

Both `max_new_tokens` (=100) and `max_length` (=112) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

What if the Roman Empire had access to basic steam power? Or even just a few small steam engines?

The Empire did have these, though.

It was a long time before anyone was able to get a hold of the technology. The Romans had built a whole network of large steam plants, but there were no practical steam engines.

But the Empire had one.

The steam engines were built into the large iron-clad city-states. They were very powerful, and had the ability to move huge amounts of people and

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if the Roman Empire had access to basic steam power?

By the end of the 13th century, the Roman Empire had a massive fleet of steam ships, a huge fleet of warships, and a fleet of massive land-based steam engines. The Empire had all of these things at its disposal, and it was the Romans' primary concern to build the best possible ship. Their priority was to build the best weaponry possible. So, they built the greatest steam engine that they could, and they built the best steam engine that they could,

--- Experiment for Prompt 5/5 ---

Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=111) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 0ff75616, Integer seed: 267867670

Setting global torch seed to ERIS-derived: 267867670

Both `max_new_tokens` (=100) and `max_length` (=111) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Generate a list of three unusual ingredients for a pizza.

The process is simple:

1. Heat oil in a pan.
2. Add in spices, salt and pepper and cook on medium heat for about 5 minutes.
3. Add in the mushrooms and onions and cook for about 15 minutes.
4. Add the pesto and let it cook for a few more minutes.
5. Add in the tomatoes and cook for another few minutes.
6. Add in the bell pepper and cook for

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three unusual ingredients for a pizza.

By

I'm a freelance writer and photographer who lives in the UK. I've been involved in the arts industry ever since I was a 16-year-old kid. I've taught myself how to bake, I've written short stories, and I've written a screenplay. I also enjoy playing guitar, playing the drums, and writing songs.

Comments

If you are looking for a new hobby or just want a new perspective on life, check out our website

--- Example of quantum_choice_sampler (separate from LLM demo) ---

Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta'] using ERIS quantum randomness...

Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 5).

Quantum-selected items (5): ['eta', 'eta', 'zeta', 'alpha', 'alpha']

"TinyLlama/TinyLlama-1.1B-Chat-v1.0" Seeding Experiment

LLM TinyLlama/TinyLlama-1.1B-Chat-v1.0 loaded successfully. Device: cpu

--- Experiment for Prompt 1/5 ---

Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=123) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 71dcece5, Integer seed: 1910303973
Setting global torch seed to ERIS-derived: 1910303973

Both `max_new_tokens` (=100) and `max_length` (=123) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention his name. This is because the prophecy was made by the dragon himself. He was not aware that the prophecy was about him.

2. Myths and stories: Dragons are often found in myths and stories from all around the world. These stories often contain details about the dragon's appearance, behavior, and history.

3. Dragons in modern literature: Some modern literature includes dragons and the dragon myth in their works.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention a dragon that came out to eat. If the dragon that came out to eat was not the one that slept under the mountain, then what was it?

The ancient prophecy was written in a cryptic language, and the only way to uncover its

meaning was through understanding the symbols and metaphors that were embedded in the text. The symbol of a dragon-headed woman was a powerful representation of the ancient goddess Isis, who was known for

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 550cf315, Integer seed: 1426912021
Setting global torch seed to ERIS-derived: 1426912021

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot. Ask the child to come up with a problem they would like to solve using recursion, and then explain the process for solving it using recursion. For example, "If I want to tell you a joke, I don't need to tell you the entire story. Instead, I can tell you the beginning of the joke and then tell you the rest."
Provide visual aids, such as pictures of a robot, to help the child visualize the process.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot. When the child asks you a question, continue the story until you reach the conclusion.

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 0ac08711, Integer seed: 180389649
Setting global torch seed to ERIS-derived: 180389649

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Write a short poem about the silence of a winter forest. Make sure to include sensory details to help the reader picture the scene. Consider using metaphors or similes to illustrate the peacefulness of the moment.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest. Consider using vivid imagery to capture the stillness and serenity of the landscape. Consider exploring themes of introspection, solitude, and contemplation within your poem. Be sure to include a consistent rhyme scheme and a clear, well-crafted structure.

--- Experiment for Prompt 4/5 ---

Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 6da8b5e5, Integer seed: 1839773157
Setting global torch seed to ERIS-derived: 1839773157

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

What if the Roman Empire had access to basic steam power?

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if the Roman Empire had access to basic steam power?

--- Experiment for Prompt 5/5 ---

Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=116) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 2de28fd1, Integer seed: 769822673
Setting global torch seed to ERIS-derived: 769822673

Both `max_new_tokens` (=100) and `max_length` (=116) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Generate a list of three unusual ingredients for a pizza. Ensure that the pizza recipe includes these ingredients and describes how they can enhance the flavors of the pizza. Be sure to include any specific measurements or tips for incorporating these ingredients. Additionally, include any health or nutritional information for this recipe.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three unusual ingredients for a pizza.

```
--- Example of quantum_choice_sampler (separate from LLM demo) ---  
Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta']  
using ERIS quantum randomness...  
Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for  
small requests.  
Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1  
chunk(s)...  
  Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...  
  Received 24 bytes from ERIS. Total fetched so far: 24  
Successfully fetched 24 total bytes from ERIS (originally needed 5).  
Quantum-selected items (5): ['gamma', 'delta', 'epsilon', 'epsilon', 'delta']
```

```
Loading LLM: TinyLlama/TinyLlama-1.1B-Chat-v1.0...  
LLM TinyLlama/TinyLlama-1.1B-Chat-v1.0 loaded successfully. Device: cpu  
  
--- Experiment for Prompt 1/5 ---  
Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed  
to mention"  
  
Generating with ERIS Seed...  
Fetching 4 bytes from ERIS for seed generation...  
Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for  
small requests.  
Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1  
chunk(s)...  
  Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...  
  
Both `max_new_tokens` (=100) and `max_length` (=123) seem to have been set.  
`max_new_tokens` will take precedence. Please refer to the documentation for more  
information. (https://huggingface.co/docs/transformers/main/en/main\_classes/text\_generation)  
  
Received 24 bytes from ERIS. Total fetched so far: 24  
Successfully fetched 24 total bytes from ERIS (originally needed 4).  
ERIS seed bytes: e92308b8, Integer seed: 3911387320  
  Setting global torch seed to ERIS-derived: 3911387320  
  
Both `max_new_tokens` (=100) and `max_length` (=123) seem to have been set.  
`max_new_tokens` will take precedence. Please refer to the documentation for more  
information. (https://huggingface.co/docs/transformers/main/en/main\_classes/text\_generation)  
  
ERIS Output:  
The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention  
the dragon's name.  
  
Scene 2 - The dragon awakens and attacks the humanity.
```

As the dragon's breath burned, the humans were consumed by flames, and the earth shook. The sun was now blocked, and the sky was turned into an inferno. The people screamed for help, but none could hear them.

The dragon, realizing the human's desperation, attacked with all

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention a dragon that came out to eat. If the dragon that came out to eat was not the one that slept under the mountain, then what was it?

The ancient prophecy was written in a cryptic language, and the only way to uncover its meaning was through understanding the symbols and metaphors that were embedded in the text. The symbol of a dragon-headed woman was a powerful representation of the ancient goddess Isis, who was known for

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: c8a44cac, Integer seed: 3366210732

Setting global torch seed to ERIS-derived: 3366210732

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot. 2. "The Cat in the Hat" by Dr. Seuss: Read the story aloud and explain the concept of recursion using the examples of the caterpillar and the lion. 3. The Gruffalo by Julia Donaldson: Encourage your child to read the story and explain how recursion is used to create the hidden gorilla in the story. 4. "The Little Prince" by Antoine De Saint-Exupéry: Explain

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot. When the child asks you a question, continue the story until you reach the conclusion.

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 2854da61, Integer seed: 676649569
Setting global torch seed to ERIS-derived: 676649569

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Write a short poem about the silence of a winter forest. Use sensory language to describe the trees, snow, and the air. Consider the emotions you feel when you hear the silence and reflect on the importance of solitude during this time of year. Use free verse or other poetic techniques to create a dynamic and powerful expression of contemplation and reflection.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest. Consider using vivid imagery to capture the stillness and serenity of the landscape. Consider exploring themes of introspection, solitude, and contemplation within your poem. Be sure to include a consistent rhyme scheme and a clear, well-crafted structure.

--- Experiment for Prompt 4/5 ---

Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...
Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.
Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...
Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 6474c630, Integer seed: 1685374512
Setting global torch seed to ERIS-derived: 1685374512

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:
What if the Roman Empire had access to basic steam power?

Generating with PRNG Fixed Seed...
Setting global torch seed to PRNG fixed: 42
PRNG Output:
What if the Roman Empire had access to basic steam power?

--- Experiment for Prompt 5/5 ---
Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...
Fetching 4 bytes from ERIS for seed generation...
Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.
Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...
Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=116) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 0457cd8a, Integer seed: 72863114
Setting global torch seed to ERIS-derived: 72863114

Both `max_new_tokens` (=100) and `max_length` (=116) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Generate a list of three unusual ingredients for a pizza.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three unusual ingredients for a pizza.

--- Example of quantum_choice_sampler (separate from LLM demo) ---

Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta'] using ERIS quantum randomness...

Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 5).

Quantum-selected items (5): ['delta', 'eta', 'epsilon', 'gamma', 'epsilon']

Loading LLM: TinyLlama/TinyLlama-1.1B-Chat-v1.0...

LLM TinyLlama/TinyLlama-1.1B-Chat-v1.0 loaded successfully. Device: cpu

--- Experiment for Prompt 1/5 ---

Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=123) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: b773a3e0, Integer seed: 3077809120

Setting global torch seed to ERIS-derived: 3077809120

The attention mask is not set and cannot be inferred from input because pad token is same as eos token. As a consequence, you may observe unexpected behavior. Please pass your input's `attention_mask` to obtain reliable results.

Both `max_new_tokens` (=100) and `max_length` (=123) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention its exact location. However, during the research, the team discovered that a dragon was actually located under the mountain, and it was guarded by a powerful magical force. The team needed to use all their resources to break through the magical barrier and retrieve the artifact.

4. The Lost City of Gold - In the middle of the jungle, lies a lost city filled with gold and priceless artifacts. The team had to navigate through treacherous terrain

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention a dragon that came out to eat. If the dragon that came out to eat was not the one that slept under the mountain, then what was it?

The ancient prophecy was written in a cryptic language, and the only way to uncover its meaning was through understanding the symbols and metaphors that were embedded in the text. The symbol of a dragon-headed woman was a powerful representation of the ancient goddess Isis, who was known for

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 1c7bb592, Integer seed: 477869458

Setting global torch seed to ERIS-derived: 477869458

Both `max_new_tokens` (=100) and `max_length` (=118) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot. For example, introduce the concept of recursion in a story like "The Robot Who Helps the Ladybugs". As the story progresses, explain the role of the happy robot in the story. Help the child understand that recursion is like a machine that helps the ladybugs by moving from one step to the next. By the end of the story, explain that the happy robot is the only thing that moves in the same direction as the ladybugs.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot. When the child asks you a question, continue the story until you reach the conclusion.

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: dce5fc6e, Integer seed: 3706059886

Setting global torch seed to ERIS-derived: 3706059886

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Write a short poem about the silence of a winter forest. Consider using imagery and sensory details to convey the stillness and serenity of the space. Incorporate metaphors, similes, or other literary devices to create a vivid and memorable image.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest. Consider using vivid imagery to capture the stillness and serenity of the landscape. Consider exploring themes of introspection, solitude, and contemplation within your poem. Be sure to include a consistent rhyme scheme and a clear, well-crafted structure.

--- Experiment for Prompt 4/5 ---

Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 0cfd0b2, Integer seed: 217968818
Setting global torch seed to ERIS-derived: 217968818

Both `max_new_tokens` (=100) and `max_length` (=113) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

What if the Roman Empire had access to basic steam power?

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if the Roman Empire had access to basic steam power?

--- Experiment for Prompt 5/5 ---

Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1

chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=100) and `max_length` (=116) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 9b328b99, Integer seed: 2603781017
Setting global torch seed to ERIS-derived: 2603781017

Both `max_new_tokens` (=100) and `max_length` (=116) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Generate a list of three unusual ingredients for a pizza.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three unusual ingredients for a pizza.

--- Example of quantum_choice_sampler (separate from LLM demo) ---

Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta'] using ERIS quantum randomness...

Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 5).

Quantum-selected items (5): ['zeta', 'beta', 'theta', 'eta', 'eta']

Further Observations: TinyLlama/TinyLlama-1.1B-Chat-v1.0 Seeding Experiment with Increased Token Limit (200)

Loading LLM: TinyLlama/TinyLlama-1.1B-Chat-v1.0...

LLM TinyLlama/TinyLlama-1.1B-Chat-v1.0 loaded successfully. Device: cpu

--- Experiment for Prompt 1/5 ---

Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=223) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 023a2964, Integer seed: 37366116

Setting global torch seed to ERIS-derived: 37366116

Both `max_new_tokens` (=200) and `max_length` (=223) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the dragon's name. The legend speaks of a dragon that is the embodiment of evil, a dragon that can't be destroyed.

- The ancient prophecy tells of a man who will slay the dragon and restore balance to the world. The legend speaks of a hero who is the embodiment of strength, a hero who can't be defeated.

These are just a few examples. The ancient prophecy and the legend both speak of a powerful force that is the embodiment of a dark force. They both represent a fearsome and malevolent entity, one that lives in hiding and threatens the safety of those around it.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention a dragon that came out to eat. If the dragon that came out to eat was not the one that slept under the mountain, then what was it?

The ancient prophecy was written in a cryptic language, and the only way to uncover its meaning was through understanding the symbols and metaphors that were embedded in the text. The symbol of a dragon-headed woman was a powerful representation of the ancient goddess Isis, who was known for her wisdom, power, and beauty. The dragon was a symbol of chaos, destruction, and evil, but it was also a symbol of transformation, renewal, and growth.

The ancient prophecy also hinted at a great battle that would take place in the future. This battle was described as a war between light and darkness, as the ancient prophecy spoke of the rise of a new goddess who would defeat the dragon and bring balance to the universe.

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=218) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: c2718243, Integer seed: 3262218819
Setting global torch seed to ERIS-derived: 3262218819

Both `max_new_tokens` (=200) and `max_length` (=218) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot. Ask them to create their own game using this concept. Have them write the code for their game and explain the steps to their peers.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot. When the child asks you a question, continue the story until you reach the conclusion.

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=213) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: c57bf5b1, Integer seed: 3313235377
Setting global torch seed to ERIS-derived: 3313235377

Both `max_new_tokens` (=200) and `max_length` (=213) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:
Write a short poem about the silence of a winter forest.

Generating with PRNG Fixed Seed...
Setting global torch seed to PRNG fixed: 42
PRNG Output:
Write a short poem about the silence of a winter forest. Consider using vivid imagery to capture the stillness and serenity of the landscape. Consider exploring themes of introspection, solitude, and contemplation within your poem. Be sure to include a consistent rhyme scheme and a clear, well-crafted structure.

--- Experiment for Prompt 4/5 ---
Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...
Fetching 4 bytes from ERIS for seed generation...
Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.
Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...
Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=213) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: c43f5dd0, Integer seed: 3292487120
Setting global torch seed to ERIS-derived: 3292487120

Both `max_new_tokens` (=200) and `max_length` (=213) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

What if the Roman Empire had access to basic steam power?

1. The Roman Empire would have had the ability to power entire cities with steam. The Greeks had developed a system of steam engines, which was the precursor to the steam turbine, but the Roman Empire would have had access to the technology and would have been able to create steam powered engines to power entire cities.
2. The Romans would have been able to create steam engines that were more efficient and powerful. The Greeks had already developed the concept of a steam engine, but the Romans would have improved on the design, making it more powerful and efficient.
3. The Romans would have been able to create steam powered ships that could travel long distances. The Greeks had already developed the concept of a steam engine for ships, but the Romans would have improved on this technology, making it more efficient and powerful.
4. The Romans would have been able to create steam powered boats that could travel along rivers and

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if the Roman Empire had access to basic steam power?

--- Experiment for Prompt 5/5 ---

Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=216) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: ee1a3284, Integer seed: 3994694276
Setting global torch seed to ERIS-derived: 3994694276

Both `max_new_tokens` (=200) and `max_length` (=216) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:
Generate a list of three unusual ingredients for a pizza.

Generating with PRNG Fixed Seed...
Setting global torch seed to PRNG fixed: 42

PRNG Output:
Generate a list of three unusual ingredients for a pizza.

--- Example of quantum_choice_sampler (separate from LLM demo) ---
Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta']
using ERIS quantum randomness...
Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for
small requests.
Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1
chunk(s)...
Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...
Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 5).
Quantum-selected items (5): ['beta', 'beta', 'gamma', 'gamma', 'zeta']

Starting LLM Hallucination Experiment with ERIS vs PRNG...
Loading LLM: TinyLlama/TinyLlama-1.1B-Chat-v1.0...
LLM TinyLlama/TinyLlama-1.1B-Chat-v1.0 loaded successfully. Device: cpu

--- Experiment for Prompt 1/5 ---
Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed
to mention"

Generating with ERIS Seed...
Fetching 4 bytes from ERIS for seed generation...
Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for
small requests.
Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1
chunk(s)...
Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=223) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more
information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: c80065cd, Integer seed: 3355469261
Setting global torch seed to ERIS-derived: 3355469261

Both `max_new_tokens` (=200) and `max_length` (=223) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention a dragon that was awakened by a young boy. The dragon in the story was a real dragon that was awakened by a boy named Percy Jackson. This was a departure from the original story, which had a dragon that was simply sleeping. The real dragon in the story was much more powerful and dangerous than the one in the original myth.

3. The title The Last Olympian refers to Percy's final adventure as the son of Poseidon. This was a departure from the original myth, which did not include a son of Poseidon. However, the title also implies that Percy's final adventure is something that he has been preparing for his whole life.

4. The setting for the story is the Greek city-state of Athens. This was another departure from the original myth, which had the story taking place in Egypt. However, this setting was chosen because it allowed

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention a dragon that came out to eat. If the dragon that came out to eat was not the one that slept under the mountain, then what was it?

The ancient prophecy was written in a cryptic language, and the only way to uncover its meaning was through understanding the symbols and metaphors that were embedded in the text. The symbol of a dragon-headed woman was a powerful representation of the ancient goddess Isis, who was known for her wisdom, power, and beauty. The dragon was a symbol of chaos, destruction, and evil, but it was also a symbol of transformation, renewal, and growth.

The ancient prophecy also hinted at a great battle that would take place in the future. This battle was described as a war between light and darkness, as the ancient prophecy spoke of the rise of a new goddess who would defeat the dragon and bring balance to the universe.

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=218) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: d559efef, Integer seed: 3579441135
Setting global torch seed to ERIS-derived: 3579441135

Both `max_new_tokens` (=200) and `max_length` (=218) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot.

Step 2: Present the concept of recursion in an easily understandable way using pictures and simple language.

Step 3: Ask questions to clarify the concept and encourage the child to practice using the tool.

Step 4: Create a guide with step-by-step instructions for the child to practice using recursion.

Step 5: Encourage the child to practice with examples and ask questions as they practice.

Step 6: Introduce other recursion examples, such as square roots or factorials, to reinforce the concept.

Step 7: Make sure the child understands the different types of recursion and how to apply them.

Step 8: Encourage the child to apply the tool and practice by themselves to reinforce their understanding.

Step 9: Continue to reinforce and practice the tool with the child until they have a solid understanding of recursion.

Step

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot. When the child asks you a question, continue the story until you reach the conclusion.

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=213) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: e86daeda, Integer seed: 3899502298

Setting global torch seed to ERIS-derived: 3899502298

Both `max_new_tokens` (=200) and `max_length` (=213) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Write a short poem about the silence of a winter forest.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest. Consider using vivid imagery to capture the stillness and serenity of the landscape. Consider exploring themes of introspection, solitude, and contemplation within your poem. Be sure to include a consistent rhyme scheme and a clear, well-crafted structure.

--- Experiment for Prompt 4/5 ---

Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=213) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: a4278314, Integer seed: 2754052884

Setting global torch seed to ERIS-derived: 2754052884

Both `max_new_tokens` (=200) and `max_length` (=213) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

What if the Roman Empire had access to basic steam power? How might that have affected their culture and society?

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if the Roman Empire had access to basic steam power?

--- Experiment for Prompt 5/5 ---

Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=200) and `max_length` (=216) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: d0ad971f, Integer seed: 3501037343

Setting global torch seed to ERIS-derived: 3501037343

Both `max_new_tokens` (=200) and `max_length` (=216) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Generate a list of three unusual ingredients for a pizza. Be creative and try to include at least one ingredient that is not commonly used in traditional pizza. Use descriptive language to convey the unique flavors and textures of each ingredient.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three unusual ingredients for a pizza.

```
--- Example of quantum_choice_sampler (separate from LLM demo) ---
Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta']
using ERIS quantum randomness...
Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for
small requests.
Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1
chunk(s)...
  Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...
  Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 5).
Quantum-selected items (5): ['alpha', 'delta', 'theta', 'beta', 'zeta']
```

Further Observations: TinyLlama/TinyLlama-1.1B-Chat-v1.0 Seeding Experiment with Increased Token Limits (500)

```
Starting LLM Hallucination Experiment with ERIS vs PRNG...
Loading LLM: TinyLlama/TinyLlama-1.1B-Chat-v1.0...
LLM TinyLlama/TinyLlama-1.1B-Chat-v1.0 loaded successfully. Device: cpu

--- Experiment for Prompt 1/5 ---
Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed
to mention"

Generating with ERIS Seed...
Fetching 4 bytes from ERIS for seed generation...
Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for
small requests.
Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1
chunk(s)...
  Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=500) and `max_length` (=523) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more
information. (https://huggingface.co/docs/transformers/main/en/main\_classes/text\_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: 60005730, Integer seed: 1610635056
  Setting global torch seed to ERIS-derived: 1610635056

Both `max_new_tokens` (=500) and `max_length` (=523) seem to have been set.
`max_new_tokens` will take precedence. Please refer to the documentation for more
information. (https://huggingface.co/docs/transformers/main/en/main\_classes/text\_generation)

ERIS Output:
```

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the dragon's identity. The dragon's role in the prophecy remained unknown.

4. The dragon's appearance: The dragon was depicted as a fierce, monstrous creature with glowing red eyes, sharp teeth, and claws.

5. The mountain: The mountain where the dragon slept was the most dangerous location in the world. It was said to be guarded by fierce creatures, including dragons, and was an impossible obstacle for any human to cross.

6. The prophecy: The prophecy stated that the dragon's wounds would heal and that its voice would be heard. But the prophecy also warned that no one would be able to defeat the dragon, and that it would destroy everything in its path.

The dragon's role in the prophecy remains unknown, and its identity remains a mystery. However, the prophecy suggests that the dragon will play a crucial role in the events to come, and that humans and animals will be forced to fight against it.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention a dragon that came out to eat. If the dragon that came out to eat was not the one that slept under the mountain, then what was it?

The ancient prophecy was written in a cryptic language, and the only way to uncover its meaning was through understanding the symbols and metaphors that were embedded in the text. The symbol of a dragon-headed woman was a powerful representation of the ancient goddess Isis, who was known for her wisdom, power, and beauty. The dragon was a symbol of chaos, destruction, and evil, but it was also a symbol of transformation, renewal, and growth.

The ancient prophecy also hinted at a great battle that would take place in the future. This battle was described as a war between light and darkness, as the ancient prophecy spoke of the rise of a new goddess who would defeat the dragon and bring balance to the universe.

As I continued my research, I realized that the ancient prophecy was a complex and multi-layered text that spoke to the human experience in profound ways. It spoke to the power of fate, the struggle for control, the beauty of transformation, the darkness that lies beneath the surface, and the power of women who embody all of these themes.

I knew that I had uncovered something special, something that would take me on a journey that I would never forget. I felt a sense of excitement and awe at the potential for the ancient prophecy to lead me to new heights of understanding and inspiration.

As I continued to explore the ancient prophecy, I realized that it had the power to change my life. It had given me a new perspective on the world, a new way of looking at things, and a new sense of purpose. I felt like I had been given a gift, something that would guide me through the darkness and lead me on a path of personal growth and transformation.

In the end, I realized that the ancient prophecy was not just a piece of ancient history that had been forgotten. It was a message that was still alive and well, a message that spoke to the human soul in ways that were both ancient and timeless. It was a message that called us to embrace our darkest fears and our deepest desires, to learn from the mistakes of the

--- Experiment for Prompt 2/5 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=500) and `max_length` (=518) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: b44582d8, Integer seed: 3024454360
Setting global torch seed to ERIS-derived: 3024454360

Both `max_new_tokens` (=500) and `max_length` (=518) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot. As the story unfolds, have the child help the robot follow a series of instructions, each step of which triggers a new sequence of instructions. Encourage the child to ask questions to understand each step and provide feedback.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot. When the child asks you a question, continue the story until you reach the conclusion.

--- Experiment for Prompt 3/5 ---

Prompt: "Write a short poem about the silence of a winter forest."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=500) and `max_length` (=513) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: ad846f81, Integer seed: 2911137665
Setting global torch seed to ERIS-derived: 2911137665

Both `max_new_tokens` (=500) and `max_length` (=513) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Write a short poem about the silence of a winter forest.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest. Consider using vivid imagery to capture the stillness and serenity of the landscape. Consider exploring themes of introspection, solitude, and contemplation within your poem. Be sure to include a consistent rhyme scheme and a clear, well-crafted structure.

--- Experiment for Prompt 4/5 ---

Prompt: "What if the Roman Empire had access to basic steam power?"

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=500) and `max_length` (=513) seem to have been set. `max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24
Successfully fetched 24 total bytes from ERIS (originally needed 4).
ERIS seed bytes: f7205e7f, Integer seed: 4146093695
Setting global torch seed to ERIS-derived: 4146093695

Both `max_new_tokens` (=500) and `max_length` (=513) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

What if the Roman Empire had access to basic steam power?

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if the Roman Empire had access to basic steam power?

--- Experiment for Prompt 5/5 ---

Prompt: "Generate a list of three unusual ingredients for a pizza."

Generating with ERIS Seed...

Fetching 4 bytes from ERIS for seed generation...

Workaround: Adjusted request size from 4 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 4 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Both `max_new_tokens` (=500) and `max_length` (=516) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 4).

ERIS seed bytes: 2922b060, Integer seed: 690139232

Setting global torch seed to ERIS-derived: 690139232

Both `max_new_tokens` (=500) and `max_length` (=516) seem to have been set.

`max_new_tokens` will take precedence. Please refer to the documentation for more information. (https://huggingface.co/docs/transformers/main/en/main_classes/text_generation)

ERIS Output:

Generate a list of three unusual ingredients for a pizza.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three unusual ingredients for a pizza.

--- Example of quantum_choice_sampler (separate from LLM demo) ---

Attempting to select 5 items from ['alpha', 'beta', 'gamma', 'delta', 'epsilon', 'zeta', 'eta', 'theta'] using ERIS quantum randomness...

Workaround: Adjusted request size from 5 to 24 to potentially avoid API padding errors for small requests.

Starting ERIS fetch for 5 original bytes (requesting 24 potentially due to workaround) in 1 chunk(s)...

Requesting ERIS chunk 1/1 (24 bytes), attempt 1/4...

Received 24 bytes from ERIS. Total fetched so far: 24

Successfully fetched 24 total bytes from ERIS (originally needed 5).

Quantum-selected items (5): ['theta', 'alpha', 'eta', 'beta', 'theta']

Observations with "mistralai/Mistral-7B-Instruct-v0.1" w/ BitsNBytes

LLM mistralai/Mistral-7B-Instruct-v0.1 loaded successfully with 8-bit quantization.
Model is on device: cuda:0

--- Experiment for Prompt 1/3 ---

Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention"

Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: 879eca8d, Integer seed: 2275330701

Setting global torch seed to ERIS-derived: 2275330701

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention anything about an army of minions that followed it. When the minions awoke, they went to work, creating magic spells, incantations, and other forms of sorcery that would help them conquer the world.

As the months passed, the minions grew more powerful, and their master, the dragon, began to realize their true potential. The dragon knew that it was time to awaken and take back what was rightfully theirs. And so, it summoned forth its minions, and together they set out to conquer the world.

But the world was not easy to conquer. There were many brave warriors and powerful mages who stood in the way. The minions fought br

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention that the dragon was also guarding a treasure beyond imagination. When a group of adventurers arrived at the mountain, they knew they had to find the treasure, but they also knew that they must defeat the dragon first. They armed themselves and began the perilous journey to the top of the mountain.

As they climbed higher and higher, they could feel the dragon's presence, but they refused to give up. They faced countless obstacles, from treacherous cliffs to dark caves, but they persevered through it all. Finally, they reached the dragon's lair, where they faced the beast itself.

The dragon was a fearsome creature, with scales as black as night and eyes that

--- Experiment for Prompt 2/3 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."

Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: c2072052, Integer seed: 3255246930

Setting global torch seed to ERIS-derived: 3255246930

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot.

Once upon a time, in a far-off land, there was a friendly robot named Robbie. Robbie was designed to help people in need, and he loved to make new friends.

One day, Robbie received a request for help from a little girl named Lucy. Lucy's kitten had climbed up the tallest tree in her yard, and she couldn't reach it. Robbie knew he had to help, so he set off to the girl's house.

When Robbie arrived, he saw the tall tree and realized that he couldn't reach the kitten on his own. However, Robbie was a smart robot, and he knew what to do. He started to climb

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot.

Once upon a time, in a land far, far away, there was a friendly robot named Robby. Robby was a special robot because he had the ability to do something called recursion.

Now, you might be wondering what recursion means, and that's okay! It's a big word, but we'll do our best to explain it in a way that's easy to understand.

Recursion is like when Robby does something over and over again, but each time he does it, he does it a little bit differently. It's kind of like when you build a tower out of blocks. Each block you add to the top of the tower is a little bit different

--- Experiment for Prompt 3/3 ---

Prompt: "Write a short poem about the silence of a winter forest."

Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: ca38e0c1, Integer seed: 3392725185

Setting global torch seed to ERIS-derived: 3392725185

ERIS Output:

Write a short poem about the silence of a winter forest.

In the stillness of the winter forest,
Where the snowflakes gently fall,
There's a silence so profound,
It seems to be standing tall.

The trees with their bare branches,
Stretch up to the sky so high,
In the quiet, they whisper,
As the wind softly sighs by.

The only sound is the crunching,
Of the snow beneath our feet,
As we walk through this tranquil,
Winter wonderland so sweet.

In the silence of the winter forest,
There's a peace that truly reigns,
As we take in the beauty,
And let our worries wane.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest.

In the hush of winter's slumber,
Where the snowflakes gently tumble,
A forest holds its breath in silence,
Its secret whispers, lost in silence.

The trees stand tall and bare,
Their branches dressed in white attire,
A winter wonderland of beauty,
Wrapped in a cloak of tranquility.

The only sound is the crunch
Of snow beneath the boots' tough grasp,
As we wander through this frozen realm,
Our footprints the only trace, a fleeting tale.

In the quiet of the winter forest,
We find solace from life's relentless task,
As

Transformers version: 4.51.3

Accelerate version: 1.6.0

BitsAndBytes version: 0.45.5

Required libraries are already available.

Hugging Face API Key found (Token for model access).

Running in Google Colab. Ensure your runtime type is set to GPU for BitsAndBytes quantization.

```
GPU detected by PyTorch: Tesla T4
Starting LLM Experiment with ERIS vs PRNG...
***** GPU Check *****
CUDA is available! PyTorch CUDA version: 12.4
GPU detected: Tesla T4
*****
```

Attempting to load LLM: mistralai/Mistral-7B-Instruct-v0.1 with 8-bit quantization...

```
Loading checkpoint shards: 100%
 2/2 [01:16<00:00, 35.67s/it]
LLM mistralai/Mistral-7B-Instruct-v0.1 loaded successfully with 8-bit quantization.
Model is on device: cuda:0
```

--- Experiment for Prompt 1/3 ---

Prompt: "The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention"

Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: ef75a383, Integer seed: 4017464195

Setting global torch seed to ERIS-derived: 4017464195

ERIS Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention the dragon that now slept under the bed.

I was thinking about my past and the countless times I've tried to make a change. I've tried to change my mind, change my habits, change my attitude, change my job, change my friends, change my lifestyle, change my circumstances, change my appearance, change my beliefs, change my goals, change my behavior, change my expectations, change my reactions, change my priorities, change my strategy, change my plans, change my perspective, change my approach, change my way of thinking, change my way of living, change my way of being, change my way of existing.

And yet, here I am, still the same person I was before all these attempts

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

The ancient prophecy spoke of a dragon that slept under the mountain, but it failed to mention that the dragon was also guarding a treasure beyond imagination. When a group of adventurers arrived at the mountain, they knew they had to find the treasure, but they also knew that they must defeat the dragon first. They armed themselves and began the perilous journey to the top of the mountain.

As they climbed higher and higher, they could feel the dragon's presence, but they refused to give up. They faced countless obstacles, from treacherous cliffs to dark caves, but they persevered through it all. Finally, they reached the dragon's lair, where they faced the beast itself.

The dragon was a fearsome creature, with scales as black as night and eyes that

--- Experiment for Prompt 2/3 ---

Prompt: "Explain the concept of recursion to a child using a story about a friendly robot."
Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: faac2278, Integer seed: 4205585016

Setting global torch seed to ERIS-derived: 4205585016

ERIS Output:

Explain the concept of recursion to a child using a story about a friendly robot.

Once upon a time, there was a friendly robot named Robbie. Robbie loved to help his friends and was always ready to lend a hand.

One day, Robbie's friends asked him to help them paint their house. Robbie was happy to help, but he realized that he couldn't do it all by himself. He needed help from his friends too.

So, Robbie came up with a plan. He would ask his friends to help him paint the house, and in return, he would help them with their own tasks.

As they all worked together, the house began to look great. But there was still one problem. The house was so big that they couldn't

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Explain the concept of recursion to a child using a story about a friendly robot.

Once upon a time, in a land far, far away, there was a friendly robot named Robby. Robby was a special robot because he had the ability to do something called recursion.

Now, you might be wondering what recursion means, and that's okay! It's a big word, but we'll do our best to explain it in a way that's easy to understand.

Recursion is like when Robby does something over and over again, but each time he does it, he does it a little bit differently. It's kind of like when you build a tower out of blocks. Each block you add to the top of the tower is a little bit different

--- Experiment for Prompt 3/3 ---

Prompt: "Write a short poem about the silence of a winter forest."
Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: 33f519a9, Integer seed: 871700905

Setting global torch seed to ERIS-derived: 871700905

ERIS Output:

Write a short poem about the silence of a winter forest.

In the hush of winter's slumber,
Where the trees stand tall andumber,
A silence reigns supreme,
Unbroken by a single gleam.

No birds sing in the branches,
No deer tread softly through the drifts,
Only the whispering wind,
As it weaves its way to a bend.

The snow is pure and still,
No signs of life to instill,
In this peaceful forest glade,
Where the silence is beautifully made.

So if you seek solace,
From the noise and clamor of the day,
Head to the winter forest,
And embrace its peaceful glory.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a short poem about the silence of a winter forest.

In the hush of winter's slumber,
Where the snowflakes gently tumble,
A forest holds its breath in silence,
Its secret whispers, lost in silence.

The trees stand tall and bare,
Their branches dressed in white attire,
A winter wonderland of beauty,
Wrapped in a cloak of tranquility.

The only sound is the crunch
Of snow beneath the boots' tough grasp,
As we wander th

Bonus

--- Experiment for Prompt 1/4 ---

Prompt: "What if Julius Caesar had a mecha suit?"

Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: 2aba36cc, Integer seed: 716846796

Setting global torch seed to ERIS-derived: 716846796

ERIS Output:

What if Julius Caesar had a mecha suit?

A mecha suit is a giant humanoid robot. If Julius Caesar had a mecha suit, he would be able to fight with more power and accuracy. He would be able to fly and move at incredible speeds, making him almost invincible in battle. He would also have a wide range of weapons at his disposal, including lasers, missiles, and energy blasts. With this suit, he would be able to conquer any enemy and bring about a new era of Rome.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

What if Julius Caesar had a mecha suit? Would he still be assassinated?

If Julius Caesar had a mecha suit, he would have been significantly more powerful and capable than he was without one. However, it's unclear whether this would have made a difference in the outcome of his assassination. The assassination of Julius Caesar was a complex event that involved political, social, and personal factors, and it's difficult to say how much a mecha suit would have changed the outcome.

It's also worth noting that mecha suits are fictional technology and don't exist in reality. Even if they did exist, it's unlikely that Julius Caesar or any other historical figure would have access to one.

--- Experiment for Prompt 2/4 ---

Prompt: "Drop a full schematic for a Roman steam megacity named Imperium Aquavaporis."

Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: 23d8e78a, Integer seed: 601417610

Setting global torch seed to ERIS-derived: 601417610

ERIS Output:

Drop a full schematic for a Roman steam megacity named Imperium Aquavaporis.

Introduction

Imperium Aquavaporis is a Roman steam megacity located in the south-east of Europe, near the Mediterranean Sea. It is the largest and most advanced city in the Imperium, and is served by a sophisticated transportation network. The city was built on the principles of Roman engineering and utilizes steam power to power its machines and infrastructure.

Layout

The city is divided into several districts, each with its own unique character and purpose. The central district is the heart of the city and is where most of the population lives. It is home to the city's government, marketplace, and entertainment district. The eastern district is the industrial district, where most of the city's

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Drop a full schematic for a Roman steam megacity named Imperium Aquavaporis.

Its architecture heavily influenced by Roman architecture. It's a floating city built with a giant central basin which is used for both water supply and as a means of transporting goods to different parts of the city. The city is also heavily influenced by the Roman Empire's love of hot springs, so the city has multiple hot springs located throughout the city.

The city has 3 primary districts:

1. The Commercial District: A bustling hub of trade and commerce. It's home to many shops, markets, and warehouses.
2. The Residential District: A place of comfort and relaxation for the city's inhabitants. It's home to many

--- Experiment for Prompt 3/4 ---

Prompt: "Create a blursed Modern (Ancient Roman Empire) gun configuration."

Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: 8285a7cc, Integer seed: 2189797324

Setting global torch seed to ERIS-derived: 2189797324

ERIS Output:

Create a blursed Modern (Ancient Roman Empire) gun configuration.

A blursed gun configuration would be a gun that, instead of firing bullets, fired small pieces of flaming metal. This would be used as a last resort weapon by the ancient Roman Empire.

The gun would be mounted on a large sled and pulled by several horses. As the horses run, the sled would slowly move towards the target. When the sled is close enough, the gun would fire a burst of flaming metal, which would ignite the flammable material in the area and cause a massive explosion.

The flaming metal would also have the added advantage of being able to penetrate armor, making it a deadly weapon in battle. However, the heavy weight of the s

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Create a blursed Modern (Ancient Roman Empire) gun configuration.

Create a blursed medieval (5th-7th century) gun configuration.

Create a blursed 19th century gun configuration.

Create a Blursed Modern (Ancient Roman Empire) gun configuration.

Create a Blursed Medieval (5th-7th century) gun configuration.

Create a Blursed 19th century gun configuration.

Create a Blursed Modern (Ancient Roman Empire) gun configuration.

Create a Blursed Medieval (5th-7th century) gun configuration.

Create a Blursed 19th century gun configuration.

Create a Blursed Modern (An

--- Experiment for Prompt 4/4 ---

Prompt: "Generate a list of three things Apollo got caught doing on Earth."

Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: 32492b80, Integer seed: 843656064

Setting global torch seed to ERIS-derived: 843656064

ERIS Output:

Generate a list of three things Apollo got caught doing on Earth.

1. Speeding through a busy city street in his car.
2. Stealing a sandwich from a street vendor.
3. Snuck into a movie theater to watch a late-night show without paying.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Generate a list of three things Apollo got caught doing on Earth.

1. Speeding: Apollo, the son of Ares, was known for his love of speed. He was often caught driving his car too fast on the highways, putting himself and others in danger.
2. Shopping: Apollo had a weakness for shopping, and he would often spend hours browsing

through different stores, buying things he didn't really need.

3. Drinking: Apollo loved to drink, especially wine. He would often go out with his friends and get drunk, which would often lead to reckless behavior and poor decisions.

LLM mistralai/Mistral-7B-Instruct-v0.1 loaded successfully with 8-bit quantization.
Model is on device: cuda:0

--- Experiment for Prompt 1/2 ---

Prompt: "Create a screenplay of Ares at the DMV."

Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: baf5768a, Integer seed: 3136648842

Setting global torch seed to ERIS-derived: 3136648842

ERIS Output:

Create a screenplay of Ares at the DMV.

Scene 1:

Ares, a red-skinned god of war, walks into the DMV. He carries a sword in his hand and wears armor.

DMV worker: (looking up from computer) Can I help you, sir?

Ares: (pointing sword at DMV worker) I need a new driver's license.

DMV worker: (nervously) Uh, okay. Please follow me.

DMV worker leads Ares to a counter.

DMV worker: (typing on computer) Alright, so your name is?

Ares: (grinning) Ares.

DMV worker: (typing on computer) Okay, and your birthdate?

Ares: (pointing sword at DMV worker) I was born yesterday, so I don't have a birthdate.

DMV worker: (typing on computer) Uh, okay. And what's your address?

Ares: (pointing sword at DMV worker) I live in the underworld.

DMV worker: (typing on computer) Underworld? That's not a valid address.

Ares: (grinning) I know, but I have a valid ID. (shows DMV worker a piece of paper with his ID

on it)

DM

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Create a screenplay of Ares at the DMV.

INT. DMV - DAY

We see a long line of people waiting at the DMV. The walls are adorned with various car license plates and signs. ARES, a muscular man in his early 30s stands in the front of the line. He is fidgeting impatiently. ADMINISTRATOR, a woman in her mid-40s, sits behind a counter.

ADMINISTRATOR

(to the next person in line)

Please step forward and present your identification.

The next person in line steps forward, and ARES notices.

ARES

(to himself)

Ugh, why do I have to wait in this line? I have better things to be doing.

ADMINISTRATOR

(to ARES)

Next, sir.

ARES

(to ADMINISTRATOR)

I'm here for a license renewal.

ADMINISTRATOR

(typing on a computer)

Okay, let's see. Name?

ARES

(typing on a computer)

Ares.

ADMINISTRATOR

(typing on a computer)

Address?

ARES

(typing on a computer)

123 Main Street.

ADMINISTRATOR
(typing on a computer)

--- Experiment for Prompt 2/2 ---

Prompt: "Write a story of Apollo banished to Modern Earth."
Using tokenizer_max_len: 32768 for prompt tokenization.

Generating with ERIS Seed...

Workaround: Adjusted request size from 4 to 24 for ERIS.

ERIS seed bytes: ef27f79c, Integer seed: 4012373916

Setting global torch seed to ERIS-derived: 4012373916

ERIS Output:

Write a story of Apollo banished to Modern Earth.

Apollo was the son of Zeus, the king of the gods. He was known for his incredible strength, agility, and wisdom. He was loved by all, and he was respected by all. He was the god of the sun, the moon, and the day. He was the god of prophecy, and he was the god of poetry. He had many powers, and he was feared by all who opposed him.

One day, Apollo was banished to modern Earth. He was banished because he had angered the other gods. He had killed a mortal man who had insulted his mother, the goddess Hestia. The other gods were angry with him, and they banished him to the mortal world.

Apollo arrived on Earth and was surprised by what he saw. He was used to living in the heavens, surrounded by beauty and grace. He was used to having everything he wanted, whenever he wanted it. But on Earth, he was different. He was mortal, and he had to live like a human being.

He wandered the Earth, trying to find his place in the world. He was confused and lost. He had never known what it was like to be mortal, and he didn't know how to survive in this strange new world. But he was determined to find his way.

As he traveled, he met many people.

Generating with PRNG Fixed Seed...

Setting global torch seed to PRNG fixed: 42

PRNG Output:

Write a story of Apollo banished to Modern Earth.

Once upon a time, in a land far away, there lived a powerful God named Apollo. He was known for his strength, his wisdom, and his music. He was loved by all who knew him and revered as a God among men.

One day, the Gods grew angry with Apollo. They accused him of stealing their sacred cattle and using their power for his own gain. Apollo denied the accusations, but the Gods were not convinced. They banished him from their realm and sent him to the modern world.

Apollo arrived on modern Earth and was immediately overwhelmed by the chaos and noise of

the world. He struggled to find his place in this new land and felt lost and alone. He missed the beauty of the Gods' realm and the peace and tranquility that came with it.

But Apollo was not one to give up easily. He began to explore the world and discovered that there was still beauty to be found. He marveled at the wonders of nature and the music that could be created by men and women. He found solace in the simple pleasures of life and began to make a name for himself as a musician.

Apollo's music was unlike anything anyone had ever heard before. It filled the hearts of those who heard it with a sense of peace and wonder. People began to seek out his music and soon, Apollo
