

Homework 3

Anshul Sawant

<2025-01-25 Sat>

Contents

1 Homework 3	1
1.1 Question 1.2	1
1.1.1 All the data pertaining to this question	1
1.1.2 A	3
1.1.3 B	3
1.2 Question 1.3	3
1.2.1 A	3
1.2.2 B	3

1 Homework 3

1.1 Question 1.2

1.1.1 All the data pertaining to this question

Prefixes

1. In the heart of the jungle
2. The little red fox
3. The year is 2342. Humanity has

Generations of our model (T = 0.01, max_new_tokens = 32, ppx = 1.025)

1. , the world is a great way to get the best of the world.world is a great way to get the best of the world.
2. is a little bit of a big black fox.little red fox is a little bit of a big black fox.little red fox is a

3. been a great resource for the world.world is a great resource for the world.world is a great resource for the world.

Generations of our model (T = 0.50, max_new_tokens = 32, ppx = 2.93)

1. , the world2019s most beautiful creatures.first thing that2019s been to be a life-changing world is to be a place where"}
2. is a red fox that2019s a little bit more than that.is a good idea to keep the tree in the middle of the tree."}
3. been a long time since the year is a long time since the year is a long time since the year has been a long time since the year is a long"}

Generations of our model (T = 1.00, max_new_tokens = 32, ppx = 141.78)

1. , July 15, 2017elegance is truly the unique, strong and well-timed arrays. Crustra Living is carved together together and
2. 201d. But it2019s dominated michigan, the blue-horny top color blossoms, but basically is gorgeous such: Robin.
3. dedicated to that power in the outdoors.course, another member of my girls Poems, not the US National Mineral Missions, an unhappy and immediateISH

Generations of Pythia (T = 0.01, max_new_tokens = 32, ppx = 5.49)

1. , the jungle is a place of mystery and danger. The jungle is a place of danger. The jungle is a place of danger. The jungle is a place
2. es are very cute, but they are not very smart. They are very curious and they are very playful. They are very playful and they are very curious.
3. been at war with the aliens for over a century. The aliens have been defeated, but the war is far from over. The aliens have been forced to retreat

Generations of Pythia (T = 0.50, max_new_tokens = 32, ppx = 5.98)

1. , in the heart of the jungle, in the heart of the jungle, in the heart of the jungle, in the heart of the jungle, in the heart

2. es.\" \"They're not as smart as they used to be.\" \"They're not as clever as they used to be.\" \"They're not as smart
3. reached the stage of civilisation where the old gods are no more. They are long gone and the world is ruled by the gods of war. The gods of

Generations of Pythia (T = 1.00, max_new_tokens = 32, ppx = 21.31)

1. , where the's axe had cut through the bough, the bear saw the light.savage bear, whose jaws could swallow a
2. lived by the sea at Arromanches, had a very large head, and was of throwing more than one stone at a time:
3. come under threat, as the Garmans move to eliminate all life at the cost of their lives. The Garmans have learned from the time they were

1.1.2 A

1.1.3 B

1.2 Question 1.3

1.2.1 A

Perplexity of CMU Wiki paragraphs is 7.55 as is and 10.28 after removal of the/The.

1.2.2 B

Perplexity of Jabberwocky is 1.58 as is and 15.20 after substitution of gibberish words with gibberish words.