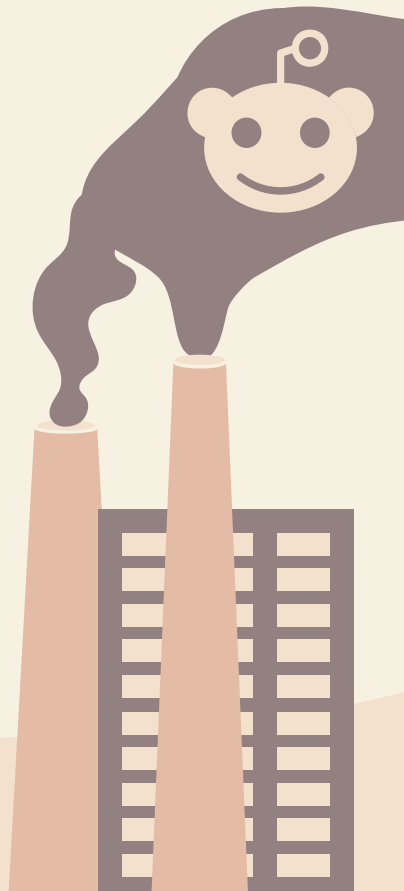
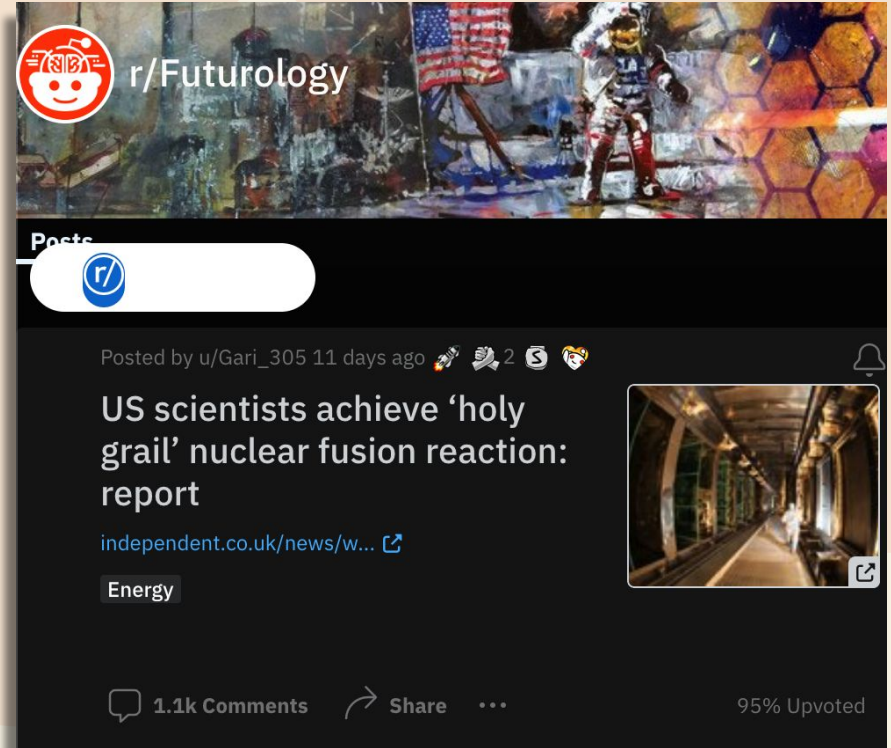
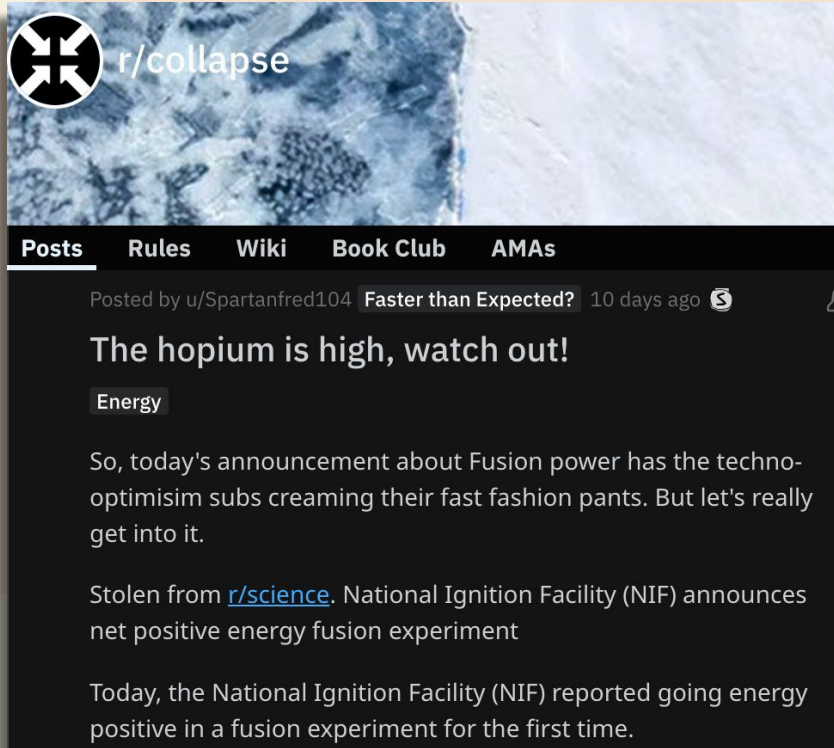


NLP Classification: Subreddits

Jahn timer Kalpathy
DSIR 1031
2022-12-23



r/collapse vs r/futurology



Goal

- Both subreddits are interested in the future of society and the planet
 - r/collapse: pessimism, inevitability, anti-'hopium'
 - r/futurology: speculative, optimistic, excitement
- Can we see if a new topic aligns with the dismay of r/collapse or the neutrality of r/futurology

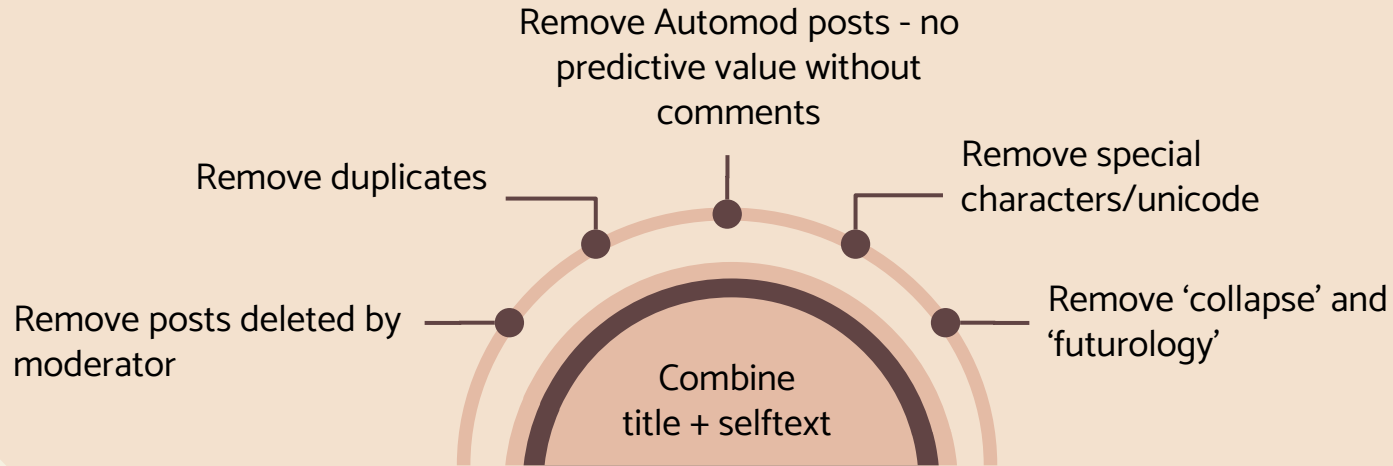
Posted by u/lughnasadh ∞ transit umbra, lux permanet † 6 years ago

R/COLLAPSE Vs. R/FUTUROLOGY Debate - Does human history demonstrate a trend towards the collapse of civilization or the beginning of a united planetary civilization?

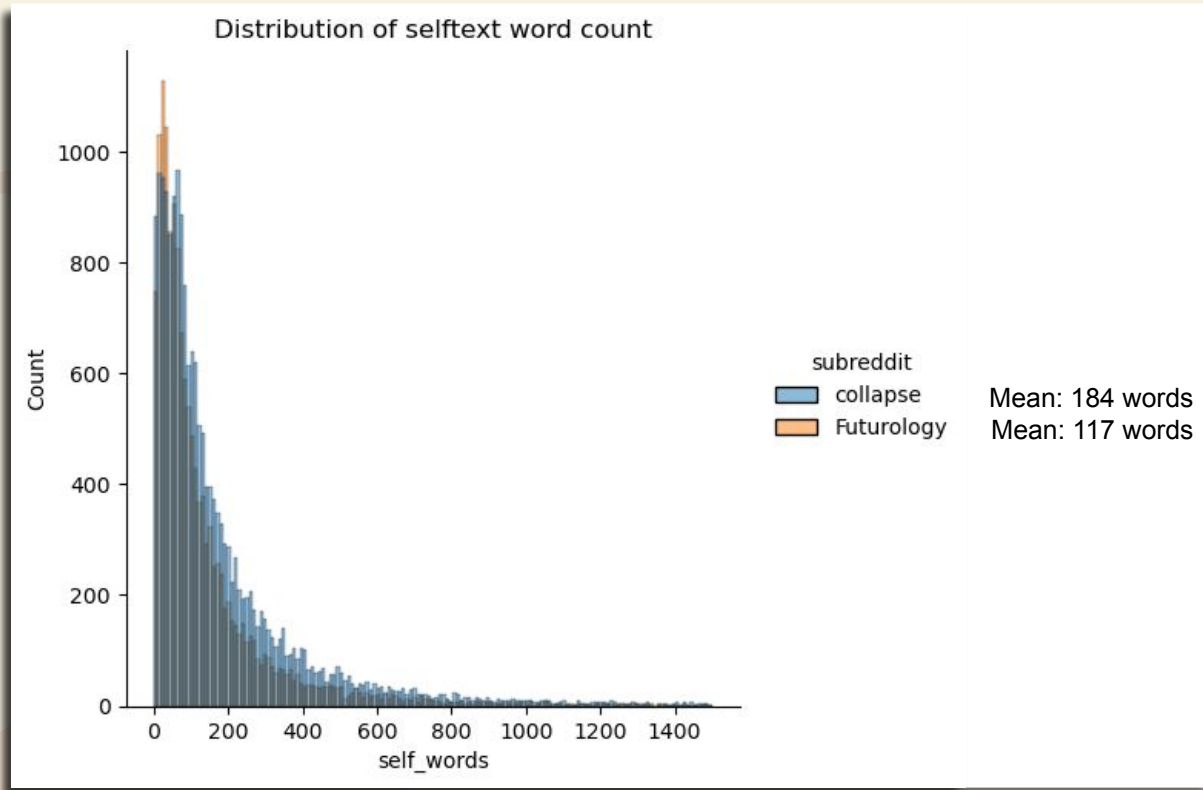
Discussion



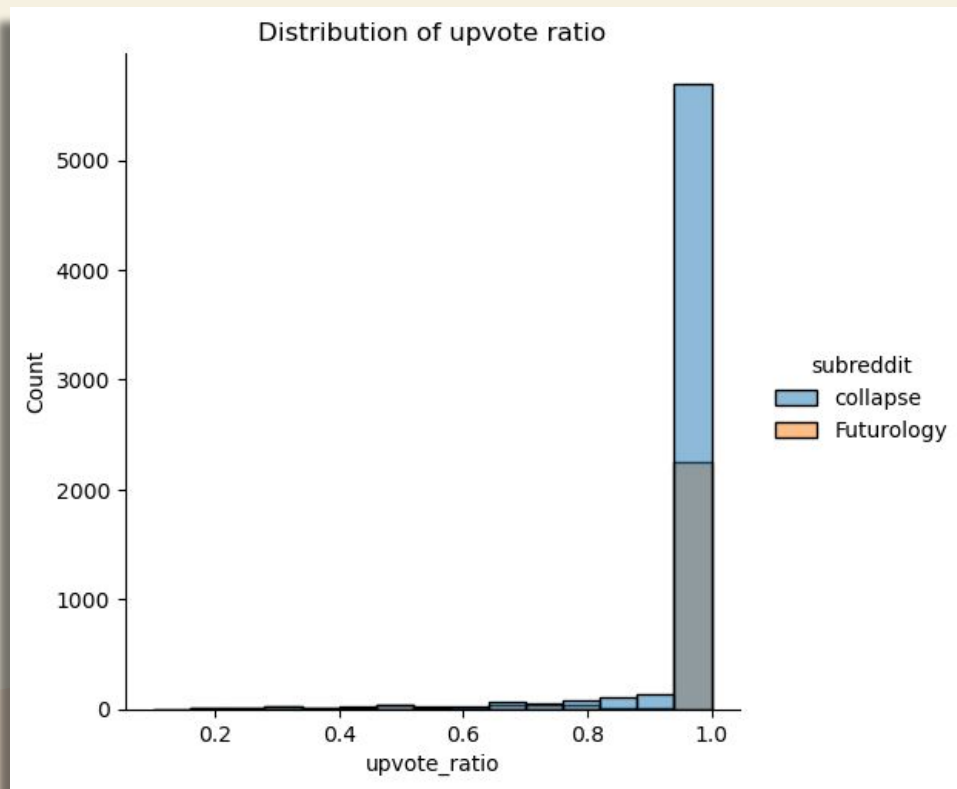
Cleaning



EDA: Word Count

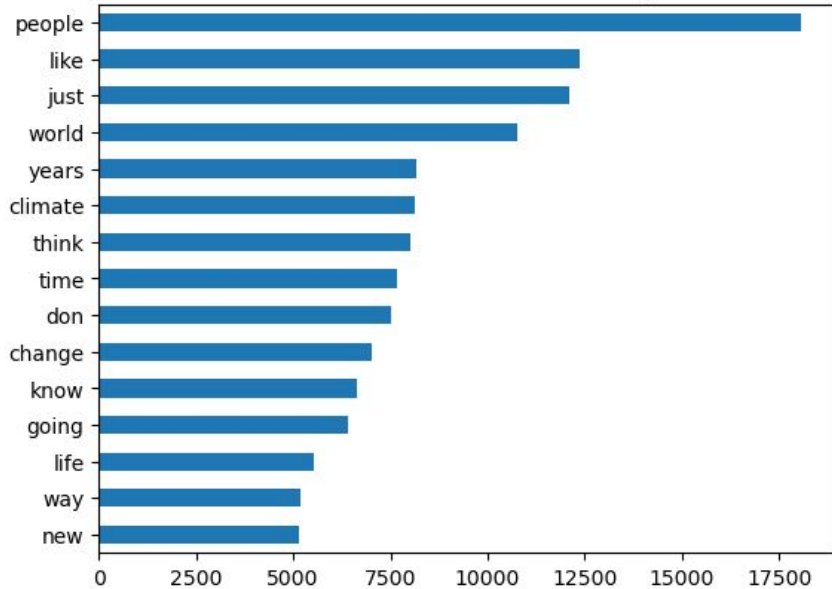


EDA: Upvote Ratio

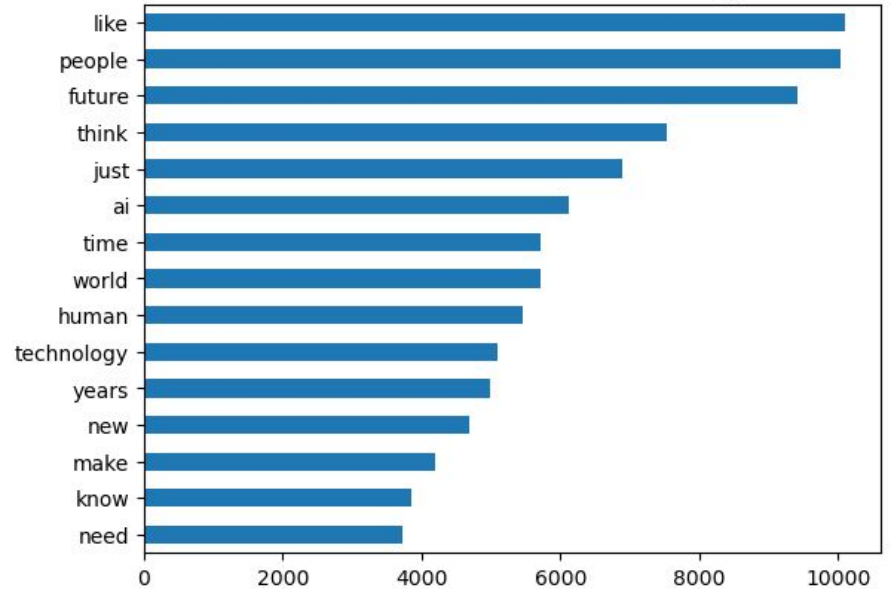


Most Common Words

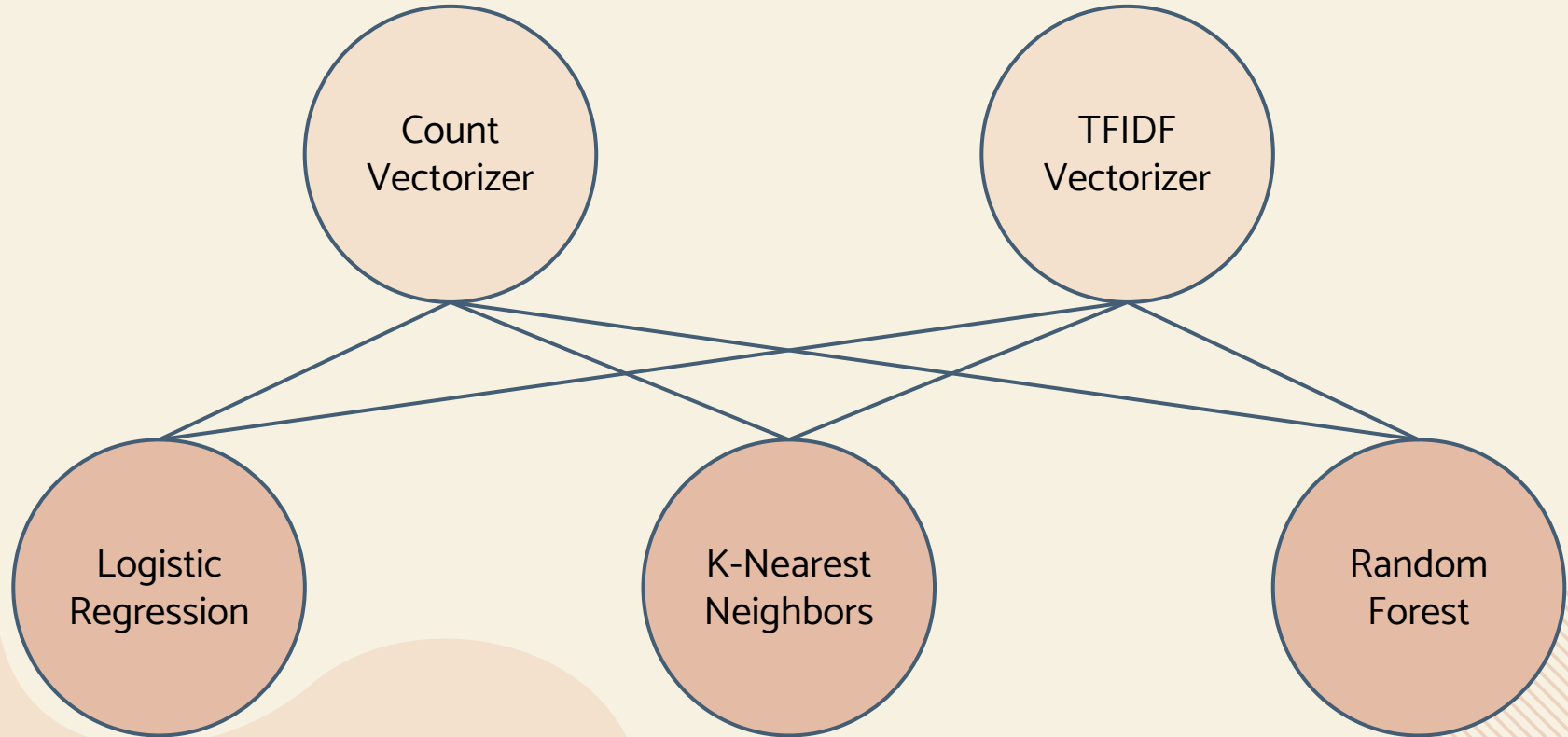
15 most common words in Collapse



15 most common words in Futurology



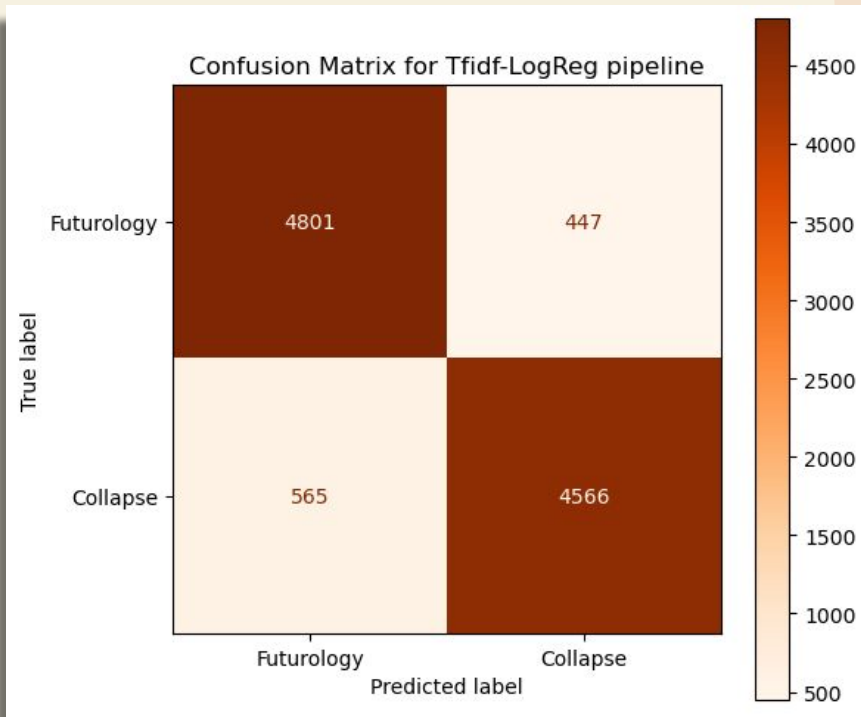
Modeling Pipeline



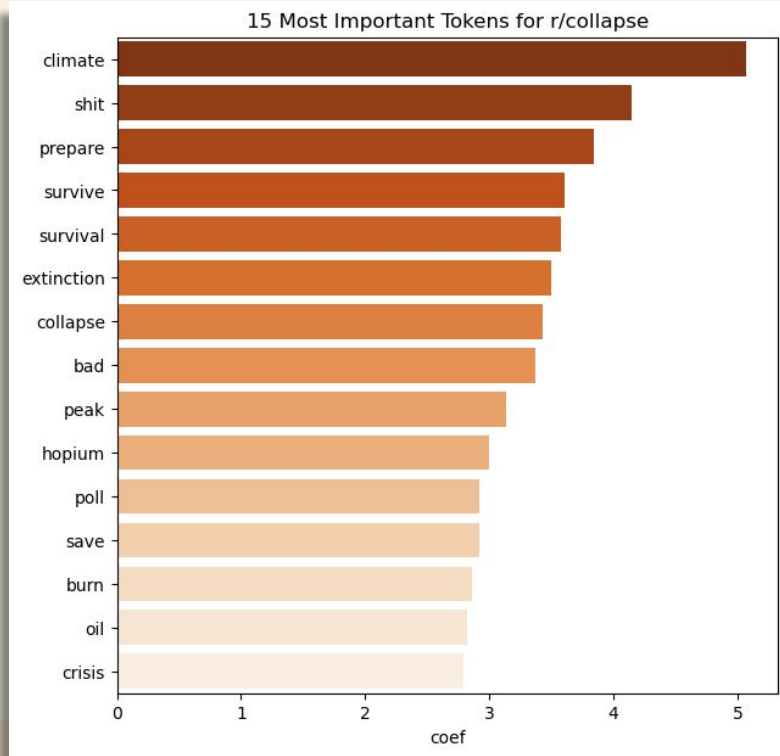
Modeling Results

dataset	training score	testing score	roc
10% sample	0.9509	0.8565	0.8563
full dataset	0.9188	0.8837	0.8837

- TFIDF vectorizer
- LogisticRegression
- Train Accuracy: 95% → 91%
- Test Accuracy: 86% → 88%
- ROC: 86% → 88%



r/collapse



“Epic CollapsePorn Timeline to 2070

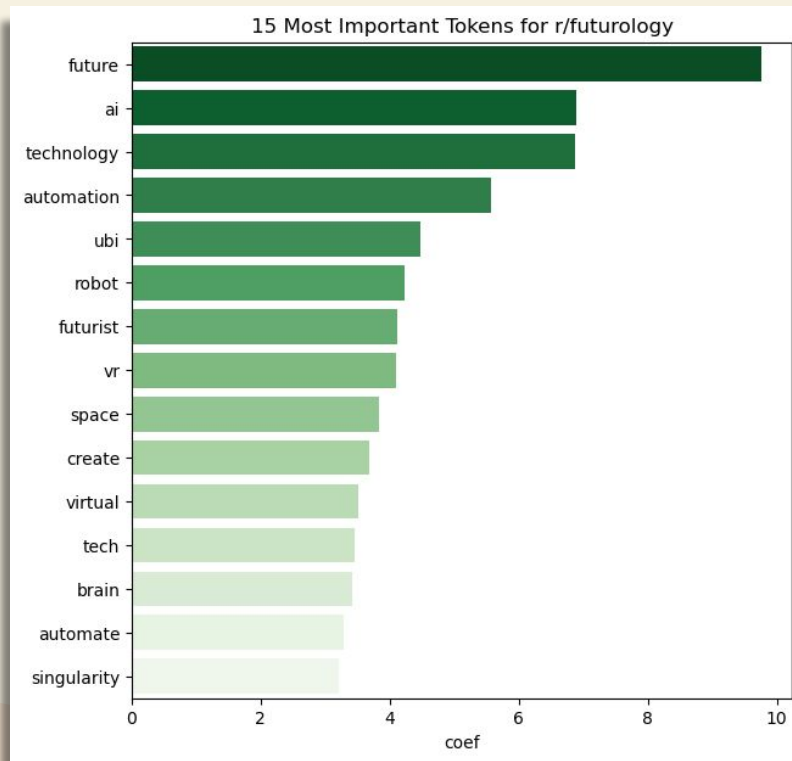
The prophetic words of the German **climatologist** Hans Joachim Schellnhuber in 2018 were smudged on the whiteboard: “**Climate** change is now reaching the **endgame**, where very soon humanity must choose between taking unprecedented action, or accepting that it has been left too late and bear the consequences”. Fifty years on, those consequences were etched all over Earth’s surface, as a small group of historians and scientists gathered in an annex of Greenland’s Nuuk Art Museum, 240 kilometers south of the Arctic Circle, to understand the course of events since those words were written.

2020 Living in a hotter world was all about food and water **security** – and **dislocation** and **war**. Syria should have been a warning, a preview of collapse...”

r/futurology

“Which **technological** inventions besides **AI** and self-driving vehicles going to be well established in the **future**?

What do you think?”



Misclassification

Can't visualize the **future**.

I am currently applying to college. In recent years I have grown incredibly **despondent** about **climate change** and what I see as the inevitable **downfall** of the world as we know it. However, in the short term, I still need to go to college, which means writing essays about what I want to do in the **future**. I usually end up in tears because when I was younger I wanted to start a family and live to old age but now I genuinely am unable to imagine myself past the age of maybe 30? It's terrifying to me that at the time of my life when I'll be qualified to help with the climate, it might be too late.

Would Hawaii sit out a **hypothetical civil war**?

Since it's pretty far from the mainland...



THANKS!

Do you have any questions?

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General Assembly DSIR 10/31



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