



BrainStation Capstone - Sarcasm Detection and Response Generator

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Love to Laugh

- Laughing releases endorphins
- Sarcasm causes laughter
- Current LLMs can not always detect
- sarcasm



Impact

- Nearly 5 billion people use social media
- Help disabled read tone of texts
- Make Joy and \$\$\$ with a sarcastic LLM





The Data: Reddit Sarcasm Corpus

- Largest Sarcasm Dataset
- Millions of comments with a treeline structure
- N-grams and sentence embeddings



Modeling

- Initial logistic regression models
- Text classifiers, F1 scores, others tests
- Built off of a previous LLM