

Natural Language Processing

Team



~ Corporate Joker ~

Data Collection	 https://www.reddit.com/r/Jokes/ https://bestlifeonline.com/what-do-you-call-jokes/ https://www.kaggle.com/code/alohahejahe/what-when-why-how/data We scraped different websites and scraped data from reddit by using their API Calls. 		
Steps of Data Wrangling	Discovery a. We compiled the Disparate, Siloed data sources and configure each of them so they can be understood and examined to find patterns and trends in the data		
Model Training	We used the Sec2Sec Deep learning model because of variable length input and output to train our Prediction System. We also combined an attention module to make our model smarter.		
Model Evaluation	We followed 92/4/4 distribution to train our model on test data sets. Although we faced a lot of difficulties in model evaluation, we finally managed to increase the perplexity of our model by 15%.		

Model Deployment	The Source code of the Project is hosted on github $\underline{\text{here}}$ and the Project is deployed on to streamlit.io $\underline{\text{here}}$			
MLOPS Practices	MLOps Best Practices	Data	ML Model	Code
	Documentation	1) Data sources 2) Decisions, how/where to get data 3) Labelling methods	1) Model selection criteria 2) Design of experiments 3) Model pseudo-code	Deployment process How to run locally
	Project Structure	1) Data folder for raw and processed data 2) A folder for data engineering pipeline 3) Test folder for data engineering methods	1) A folder that contains the trained model 2) A folder for notebooks 3) A folder for feature engineering 4)A folder for ML model engineering	1) A folder for bash/shell scripts 2) A folder for tests 3) A folder for deployment files (e.g Docker files)