

NLP Projects

ID	Title	Description	Dataset
1	topic modeling	Topic modeling is a method for finding a group of words (i.e. topics) from a collection of documents that best represents the information in the collection of text documents. It can also be thought of as a form of text mining - a way to obtain recurring patterns of words in textual data. The topics identified are crucial data points in helping the business figure out where to put their efforts in improving their product or services.	https://drive.google.com/drive/folders/1yPMklcWPXQpN_rIMh9p-HhIH05gTvkak?usp=share_link
2	movie recommender	<p>predict the user movie rating</p> <ul style="list-style-type: none"> · Use an item-based collaborative filtering approach to recommend the Top 10 similar movies to a specific movie. · you can develop a content-based recommender system 	https://drive.google.com/drive/folders/1849bl8wNan2GUjXr-UDIZj5jDSay6gC0?usp=share_link
3	Fake News Detection Project	<p>Fake news spreads like a wildfire and this is a big issue in this era.</p> <p>You can learn how to distinguish fake news from a real one. You can use supervised learning to implement a model like this.</p>	https://drive.google.com/file/d/1LA_Mv6p0bJeAHHJGIJgt_3eW7UjWprij/view?usp=share_link
4	NewsGroup classification	<p>Build a model to classify news data into various categories through text classification.</p> <p>The overall process of model training and testing should be recorded and displayed using a proper chart. The classification results for the best model should be displayed too.</p>	http://qwone.com/~jason/20Newsgr_oups/

5	Sentiment Analysis of movie reviews	Design a model to apply Sentiment Analysis of movie reviews using sentiment polarity datasets (Use a machine learning model to classify the movies reviews into positive and negative, train and test model and generate accuracy). The overall process of model training and testing should be recorded and displayed using a proper chart. The classification results for the best model should be displayed too.	http://www.cs.cornell.edu/people/pabo/movie-review-data/
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6	Automatic Questions Tagging System	Sites that are specifically designed to have questions and answers for their users like Quora and Stackoverflow often request their users to submit five words along with the question so that they can be categorized easily. But, sometimes users provide wrong tags which makes it difficult for other users to navigate through. Thus, they require an automatic question tagging system that can automatically identify correct and relevant tags for a question submitted by the user.	StackSample: 10% of Stack Overflow Q&A Kaggle.
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Each project will include 4 main requirements.

- Data preprocessing
- Features extraction
- Model training and testing
- Results visualization

Deliver the project with its document