UDACITY

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DISCUSS ON STUDENT HUB

Deploying a Sentiment Analysis Model

REVIEW | CODE REVIEW | HISTORY

Meets Specifications

:+1: This is a great submission. You have proven to produce well structured code. I hope you have learnt on how to efficiently deploy ML-Models by the help of AWS sagemaker!

Here is a blog post on a general summary of the use cases of sagemaker: https://hackernoon.com/should-i-use-amazon-sagemaker-for-deep-learning-dc4ae6b98fab
Probably you want to consider to try IBM Watson services which offer related functionalities? https://www.ibm.com/watson/products-services/

Files Submitted

The submission includes all required files, including notebook, python scripts and html files.

Preparing and Processing Data

Answer describes what the pre-processing method does to a review.

Correctly explained all the pre-processing steps by review_to_words.
:+1: good explanation

The `build_dict` method is implemented and constructs a valid word dictionary.

:+1: Your `build dict` is a valid word dictionary

Notebook displays the five most frequently appearing words.

Correctly displays the five most frequently appearing words.

Answer describes how the processing methods are applied to the training and test data sets and what, if any, issues there may be.

Well done on this one. You took your time out to explain how the processing methods are applied to the training and test data sets.

Build and Train the PyTorch Model

The train method is implemented and can be used to train the PyTorch model.

correct implementation of train method!

The RNN is trained using SageMaker's supported PyTorch functionality.

Deploy the Model for Testing

The trained PyTorch model is successfully deployed.

:+1: correct usage of your model!

Use the Model for Testing

Answer describes the differences between the RNN model and the XGBoost model and how they perform on the IMDB data.

:+1: correctly addressed the differences between RNN and XGBoost!

The test review has been processed correctly and stored in the `test_data` variable.

The `predict_fn()` method in `serve/predict.py` has been implemented.

Deploying the Web App

The model is deployed and the Lambda / API Gateway integration is complete so that the web app works (make sure to include your modified `index.html`).

:+1: You have correctly used the Lambda functionality on amazon aws!

Answer gives a sample review and the resulting predicted sentiment.

The review sounds reasonable, as does the resulting sentiment. Great!

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