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Deploying a Sentiment Analysis Model

REVIEW	CODE REVIEW	HISTORY

Meets Specifications

I think you've done a good job of implementing the sentiment analysis model. Your concepts and usage of AWS Sagemaker and sentiment analysis are quite clear and have been well implemented in the notebook.

Further Resource: Keras has a neat API for visualizing the architecture, which is very helpful while debugging your network. PyTorch-summary is a similar project(https://github.com/sksq96/pytorch-summary/) in PyTorch.

Further, AWS Sagemaker recently got a new update(https://aws.amazon.com/blogs/machine-learning/amazon-sagemaker-now-comes-with-new-capabilities-for-accelerating-machine-learning-experimentation/). It lets you find and evaluate the most relevant model training runs from the hundreds and thousands of your Amazon SageMaker model training jobs.

And Congratulations 🎉 once again, for successfully completing the project.

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.

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

✓	Notebook 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.

Build and Train the PyTorch Model

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

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

Deploy the Model for Testing

✓	The trained PyTorch model is successfully deployed.

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.

✓	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`).

✓	Answer gives a sample review and the resulting predicted sentiment.

⬇ DOWNLOAD PROJECT

RETURN TO PATH