Mini-Project 2: Yelp Business Rating Prediction using Tensorflow

Version 1.0

CSC215, Fall 2018

Oct 8th, 2018

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# Problem Statement

In this project, we aim to predict a business's stars rating using the reviews of that business and review count based on neural network implementation in Tensorflow. This project is twofold:

Task 1: Consider this problem as a regression problem. Compare the RMSE of the BEST **Tensorflow regression neural network model** you obtained with that of **regression model** you achieved in the last project.

Task 2: Consider this problem as a classification problem. Compare the accuracy of the BEST **Tensorflow classification neural network model** you obtained with that of **each classification model** you achieved in the last project.

# Methodology

## Regression Problem

Convert stars to numpy array as input to tensor flow. Now run the tensor flow in a loop until get a best model, use checkpoints and compare with project 1 result RMSe

Same thing for classification

## Classification Problem

# Experimental Results and Analysis

# Task Division

## Chandini Nagendra:

* Data Preprocessing
* Report

## Siddharth Chittora

* Data Preprocessing
* Report

Discussed together on how to improve the model and came up with the following solution

# Project Reflection

# Additional Features