Bryan D’Amico

# IST 736 Folder Contents

## Bryan\_DAmico\_FinalPresentation.pptx

This is a copy of the final presentation that I gave to the class as part of my final project submission. This can be viewed with Microsoft Powerpoint.

## Card Selection.ipynb

This is a Jupyter notebook containing Python code that was used to edit the data I collected and select the relevant data that was used in the analysis. This can be opened with Anaconda-Navigator and Jupyter Notebook along with a web browser.

## Data Collection.ipynb

This is a Jupyter notebook containing the Python code that collects the card data used in the analysis using API calls to an online database. This code should not be run as the database site does have rules about how calls are made. This can be opened with Anaconda-Navigator and Jupyter Notebook along with a web browser.

## Sentiment Analysis.ipynb

This is a Jupyter notebook containing the Python code used to develop the sentiment analysis portion of my final project. This can be opened with Anaconda-Navigator and Jupyter Notebook along with a web browser.

## Supervised Methods.ipynb

This is a Jupyter notebook that contains the Python code used to create the majority of the supervised machine learning models that were developed to try to classify the cards according to their color based on their text descriptions. This can be opened with Anaconda-Navigator and Jupyter Notebook along with a web browser.

## EDA.ipynb

This is a Jupyter notebook that contains the Python code used to develop some basic exploratory data analysis that was included in the final project submission. This can be opened with Anaconda-Navigator and Jupyter Notebook along with a web browser.

## Unigram and Bigram.ipynb

This is a Jupyter notebook that contains the Python code used to develop a few additional supervised machine learning models that took both unigram and bigram word features as inputs. This can be opened with Anaconda-Navigator and Jupyter Notebook along with a web browser.

## Topic Modeling.ipynb

This is a Jupyter notebook that contains the Python code used to develop the topic modeling portion of the final project. This can be opened with Anaconda-Navigator and Jupyter Notebook along with a web browser.

## MTG\_Cards

This is a comma delimited text file that contains the relevant data on the cards that were used in the analysis. This can be opened with a text editor.

## MTGdata.csv

This is a csv file that contains the card data after it was collected from the API calls to the database and saved in a structured dataframe. This can be opened with a text editor or Microsoft Excel.

## Bryan\_DAmico\_FinalProject.docx

This is the report that I wrote as my final submission for this project. It contains the full write-up of the analysis along with screenshots of all the relevant visualizations and model results. It can be viewed using Microsoft Word.