

CSE4/587 Data-intensive Computing Spring 2017
FINAL PROJECT: COMMUNICATING THE RESULTS OF DATA ANALYTICS

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#part1: Data dashboard example

This activity involved exercise done on Tableau.

Submission contains:

Exercises1.twb

Exercises2.twb

#part2: Story telling with your data

We have chosen to analysis the Crime reports in the City of Philadelphia. The data set is obtained from Kaggle.

Submission contains:

Data: We have cleaned the data. We have removed the 2017 crime records as it is the current years and adding this would make analysis incorrect due to the incomplete data set. We have used a python script to clean the data.

projectData/crime_original.csv - Original Data from Kaggle

projectData/excluding2017crime.csv - cleaned data, removed 2017 records.

Ancillary file:

preprocess_data.py : python script used for cleaning the data.

Project_StoryTelling.twb : The tableau file contains the Story and other worksheet, dashboards that are used to make the Story. The Story is labelled as ProjectStory

#part3: Implement a data product

We have choosen to work on prediction on crimes for the coming years for the City of Philadelphia based on the the Analysis we have done in the previous part. We aim to predict and derive conclusions for the different criminal activities in the City of Philadelphia.

Submission Contains:

Project_prediction.twb

#part4: Document the product developed

The Story of part2 and part3 are published on <https://online.tableau.com/>

part2:

https://us-east-1.online.tableau.com/#/site/dic/views/Project_StoryTelling/ProjectStory

or

https://us-east-1.online.tableau.com/t/dic/views/Project_StoryTelling/ProjectStory?embed=y&:showShareOptions=true&:display_count=no&:showVizHome=no

part3:

https://us-east-1.online.tableau.com/#/site/dic/views/Project_prediction/ProjectStory?iid=1

or

https://us-east-1.online.tableau.com/t/dic/views/Project_prediction/ProjectStory?embed=y&:showShareOptions=true&:display_count=no&:showVizHome=no