Project 2 - Austin Crime Report 2015

Introduction - (Google Slides | Project 2 Folder)

briefly describes the domain (e.g. hydrology, criminal statistics, education, etc), dataset, analysis technique, and results. Includes the purpose of the analysis and why it is important. An example of part of an introduction might be, "Our analysis will inform power companies of power usage patterns in urban areas, helping them build intelligent and efficient infrastructure..." Another example might be, "We provide line length prediction software for Disneyland visitors, allowing them to plan when to go to each attraction, minimizing their time waiting in lines..." Be sure to include a brief description of your dataset, analysis technique, and results. Include a link to your presentation slides and a link to your projectX folder. Remember that your audience is an educated individual. 1-2 paragraphs.

Dataset - *Describes the dataset and how it relates to the domain, including important dataset attributes that make it suitable for analysis. 1 paragraph.*

Analysis technique - describes what technique was used and why it was used. You do not need to describe the technique in detail, but you need to describe why you think it is suitable for the data and/or the domain. 1 paragraph.

Results - *describes what insights you gained and how the analysis ended up being suitable or unsuitable for the data and/or the domain. This section should include charts, tables, screenshots, and/or statistics relating to your results. Particular attention should be paid to the usefulness of the analysis. That is, if you're working on pitching data in baseball and you decide to do a regression analysis of age, pitching speed, and salary, you should be able to show how your results could inform a team owner on which pitchers they should hire in the future. Relation of results to project purposes and techniques should be described. 1-2 paragraphs.* ***These first four sections are written for a stakeholder that may not be familiar with data science. It should tell a complete story and have some kind of conclusion or takeaway.***

Technical - *This section should be written for the instructor. It should be between 1 and 2 paragraphs (you do not need to have section header text for the subsections).*

> *Data Preparation - Any formatting, cleaning, and/or wrangling you had to do to prepare the dataset for analysis.*
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> *Analysis - Why the analysis technique is suitable for your dataset and goals. For example, if you use a Support Vector Machine to predict the sepal length of an*

Iris, you should describe why an SVM is a good choice. Describe any novel techniques that you are using. This subsection is required even if you are required to use a particular analysis technique for this project.

Analysis process - This subsection describes the process you went through to find your results. You should include any failed attempts and adjustments you might have made. Also describe any alternative approaches that should/could have been taken. You may have a lot of text for this or very little.