Blake Conrad

CSCI 49500 (Capstone)

Project Proposal

Outline:

*Why do you want to do this project?*

*Go find a scholarly article of a K-means algorithm and why it is good to cluster numeric data.*

* *Zimek, A., Schubert, E. and Kriegel, H.-P. (2012), A survey on unsupervised outlierdetection in high-dimensional numerical data. Statistical Analy Data Mining, 5: 363–387.doi: 10.1002/sam.11161*
* *http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6471633*

*Mention your academic advisor you are working with.*

*Mention the data set and that it was given from Dundar.*

*Keep track of the experiments, analysis, and the final results.*

*Keep slides formal. Technical Terms.*

Project proposal – problem statement, motivation, initial thoughts

*^ that’s what she wants.*

Guidelines:

* 11 Pt Arial Font
* Single Space

Introduction:

1. The project
2. The data
3. The motivation – with a good, reliable clustering algorithm, tuned correctly we can use this data to predict healthy and unhealthy growth or decay of a city with respect to time. We can leverage this to inform corresponding personnel in relevant positions with informed data and analysis to not only understand, but predict and leverage the data and results to improve quality of cities and their resolution strategies on crime in a diversity of areas across the U.S.
4. The hope

Body:

1. Explain the open source tools and algorithms needed to accomplish the goals
2. Explain the flow chart, without showing the flow chart

Conclusion:

1. How the hope is achieved, or at least pursued by the listed steps