

# CSIC 5011: Project 1 Review

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- Comments on 'The Statistic Explanation of the US Crime Data'

In this project, they analysis the US crime data via several data reduction methods, then provide visualization, as well as some theoretical analysis. It provides sufficient explanation for this data set, and may be better if taking use of more data reduction methods. The paper is well structured and the discussion is detailed.

Writing (4) / Technical Quality (3) / Overall rating (4) / Confidence (2)

- Comments on 'A Distance Function for Ordinal Regression Dimensional Reduction'

This paper propose a distance function for classification problems, which implies their great attention to detail and ability to think through problems and come up with effective solutions. And maybe further research focused on OOD would be an interesting direction.

Writing (4) / Technical Quality (4) / Overall rating (4) / Confidence (2)

- Comments on 'Image Inpainting with PCA'

This problem focuses on image inpainting problem, and the usage of data reduction method is a significant point. And the efficiency of this method would be more convincing if they can take more comparisons with other algorithms.

Writing (4) / Technical Quality (3) / Overall rating (4) / Confidence (2)

- Comments on 'Visualization and Dimensionality Reduction Techniques for US Crime Data'

This project provides a sufficient analysis for US crime rate data, as well as visualization. It is well structured, and maybe better if they highlight some key steps in algorithm. And the results may be more convincing if they use more data reduction methods and take comparisons among them.

Writing (4) / Technical Quality (3) / Overall rating (3) / Confidence (2)

- Comments on 'Explore Geographical Variation of Human Gene with SNPs Data'

This project take a great insight on data reduction methods for SNPs data, and provide case study as well as result analysis. The figures on

poster provide an intuitive sense for the results, and the poster is well structured. And the conclusion will be stronger if they can provide more analysis theoretically.

Writing (3) / Technical Quality (4) / Overall rating (3) / Confidence (2)