

EAS 507 PROJECT

UNSUPERVISED LEARNING ON COLLEGE DATASET

G3 Team 21

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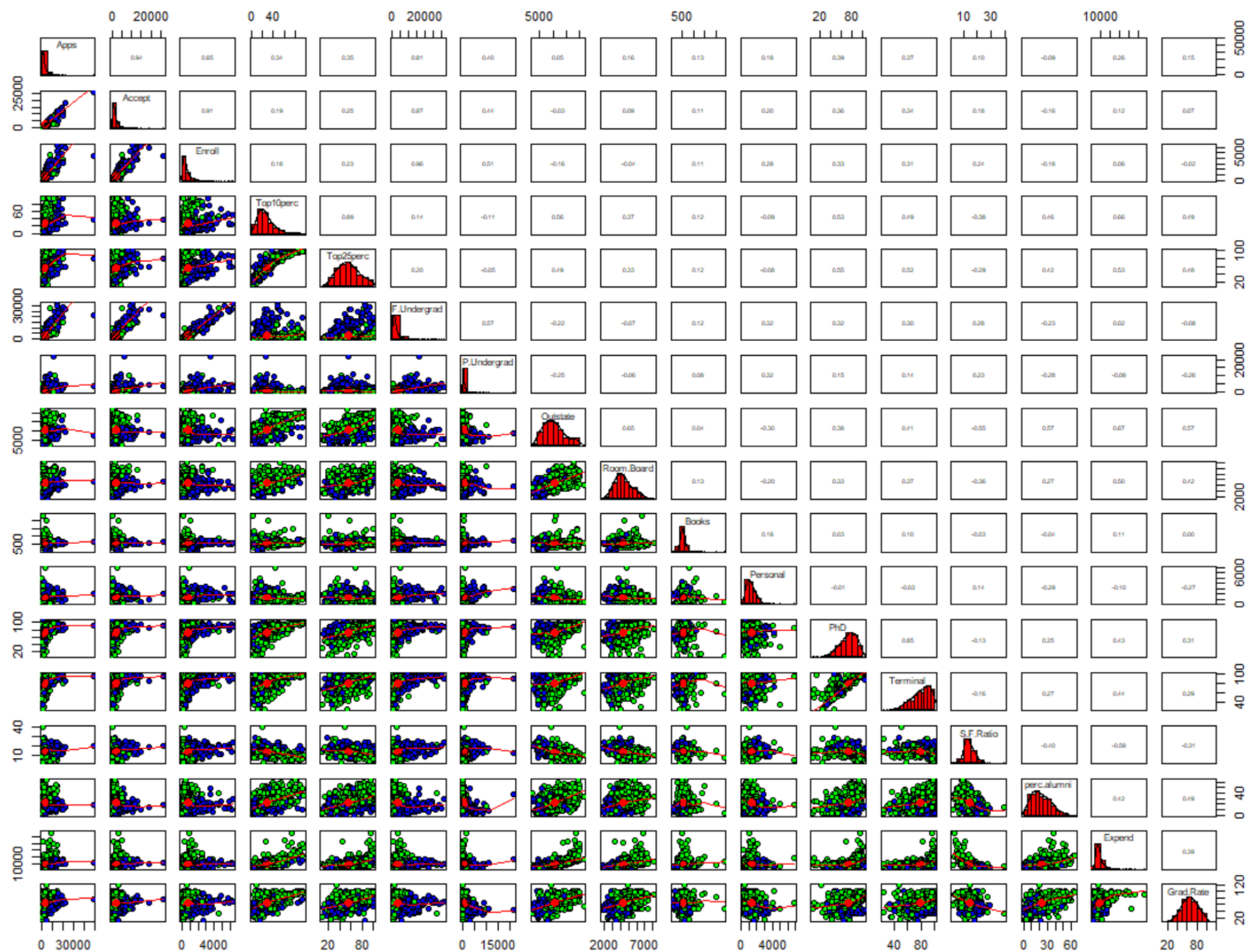


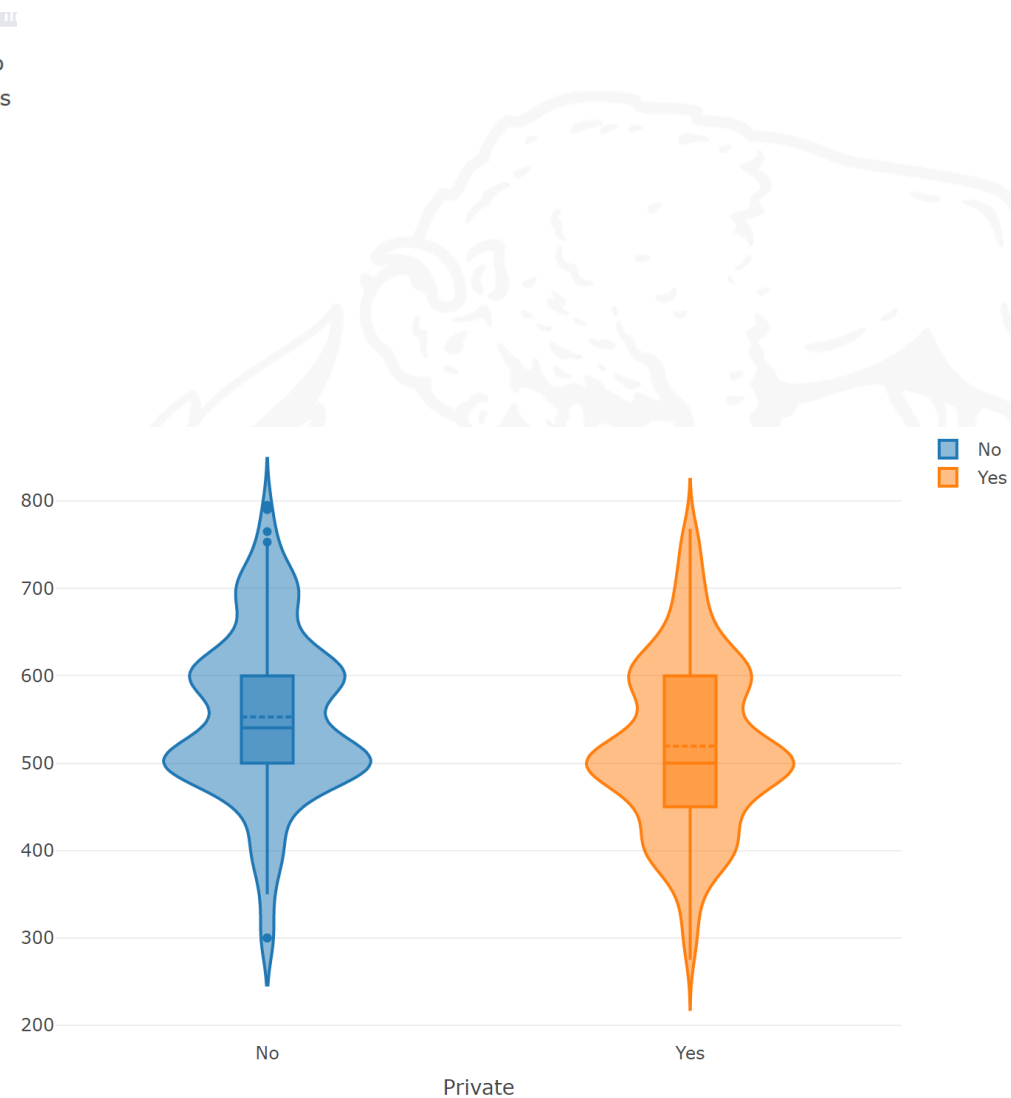
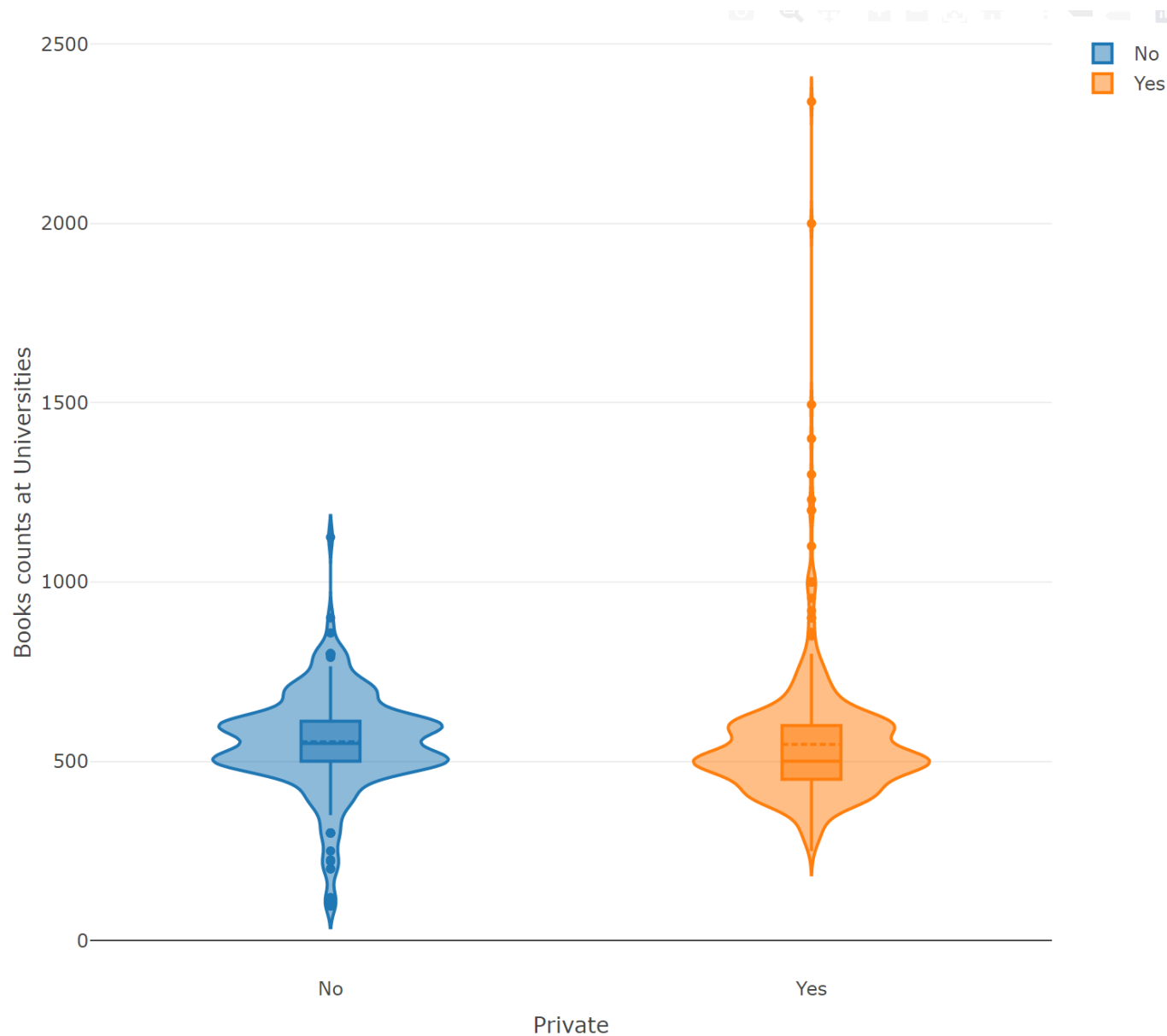
Content

- Introduction
- EDA
- Data Imputation
- PCA
- K-means clustering
- Hierarchical Clustering
- SOM
- Naïve Bayes Classification
- Conclusion



Pairs cum panel plot on College dataset





Conclusion

Algorithm	Optimal clusters
K - means clustering	Elbow Method - 3 Silhouette plots - 3 Gap Statistic - 10
Self -Organized Maps	3
Self -Organized maps using PCA	2

Thank you