

## **CIS 9660 - DATA MINING**

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### Project #1: Proposal

1. The dataset I chose is about credit card approvals. This data includes information about people who got approved and denied for credit card, such as gender, age, ethnicity, work status, income, debt etc. I picked this dataset because it's interesting to know what factors influence on the decision whether a person will get a credit card or not. Also, I see the potential of this data (after modeling and organizing) to support banks and financial institutions in deciding which person is more likely to have a credit card and making this process more effective. At this model, I took the features variables gender, married, debt, employed and income in order to predict the target variable ("Approved"- 0/1) by using the following algorithms: logistic regression, naive bayes, decision trees, random forests, support vector machines (SVM) and K-Nearest Neighbors (KNN).
2. <https://www.kaggle.com/datasets/samuelcortinhas/credit-card-approval-clean-data>