

CS280.01: Machine Learning

Project 1

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Abstract

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1. Introduction

2. Data Preprocessing

2.1. Fill missing values

There are many missing values, we give top10:

2.2. Handling unbalanced data

SMOTE

2.3. Normalization

2.4. Feature Selection

3. Method

3.1. Logistic Regression

3.2. SVM

SVM[1]

3.3. Decision Tree

3.4. Random Forest

References

- [1] C. Cortes and V. Vapnik. Support-vector networks. *Machine learning*, 20(3):273–297, 1995.