MSDS 6372 Project 1

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Introduction

The goal of this project it to build a series of regression models to predict defined outcomes. Our team conducted two seperate analysis, each consisting of at least three competing models.

Analysis One

Analysis Two

Data Description

The dataset we chose for our project contains information from property sales that occurred in Ames, Iowa from 2006 to 2010 (Cock 2011)

Dean De Cock of Truman State University is the primary custodian of the housing data set. (Cock 2011) The dataset contains 2930 observations on 80 predictor variables (23 nominal, 23 ordinal, 14 discrete, and 20 continuous). These were used in the valuation of homes in Ames Iowa.

Exploratory Analysis

Analysis of Question 1

Restatement of Problem

Model Selection

 Type of Selection:

 Checking Assumptions:

 Comparing Competing Models:

Analysis of Question 2

 Type of Selection

 Checking Assumptions

 Comparing Competing Models

Conclusion / Discussion

Appendix