# Semester Project: Housing Prices

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**Abstract**
Include abstract here – A summary of your work
**Keywords**
Keyword1 — Keyword2 — Keyword3

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## Contents

## 1. Problem and Data Description

The data provided is information about houses, and the market prices of said houses. The problem provided is needing to predict the pricing of houses based on the information provided from the data

## 2. Data Preprocessing & Exploratory Data Analysis

### 2.1 Handling Missing Values

We replaced missing data with the line houseData[is.na(houseData)] = 0 for the moment. If we deem it to be more useful, we may replace this with the mean or median value of the columns.

### 2.2 Exploratory Data Analysis

summary(houseData)
dim(houseData)
[1] 1460 81
colnames(houseData)
head(houseData)

## 3. Algorithm and Methodology

For this data we looked at the different chart plots to see the different groups variables within the data set. We also implemented a chart to list the different passenger attributes within the data set. This will give us a general idea on what to look for in the project within the following days. We intend on using the Multinomial Regression to analyze the connection between variables, such as coefficients, standard errors, and deviance

## 4. Experiments and Results

## 5. Summary and Conclusions

## Acknowledgments