PREDICTING SALARIES FROM JOB POSTINGS

GO

Problem

Our aim is to predict salaries for job posting depending on features like job title, job category, location and job type.

Text Processing

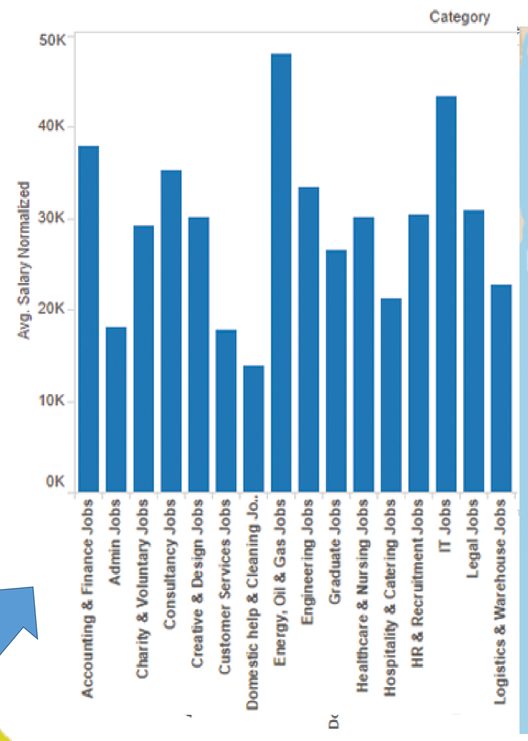
The description and title attribute was applied a bag-of-words model and TF-IDF scores were obtained. Created dummy variable for all the categorical variables. Added new variable to indicate levels

TEXT MINING

DATA VISUALIZATION

FEATURE SELECTION

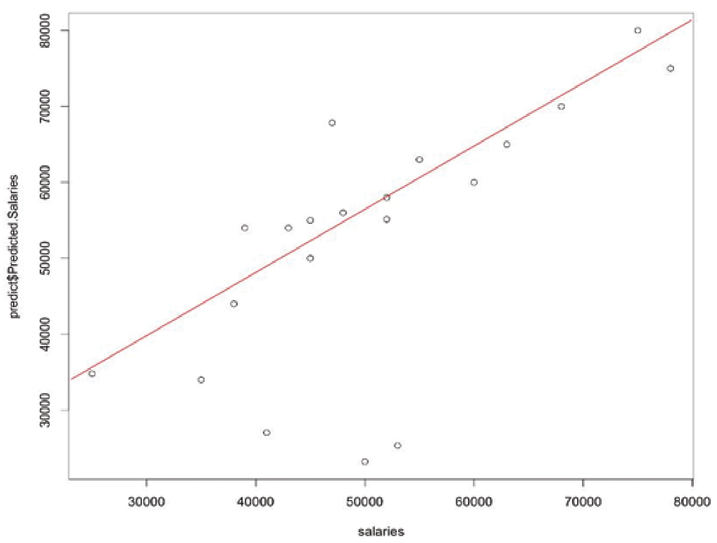
MODELLING

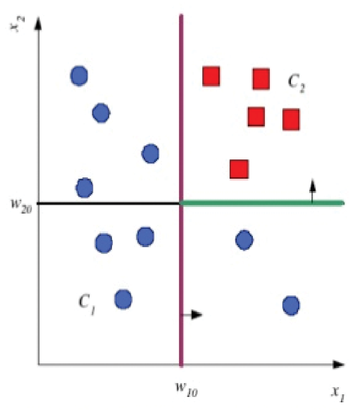


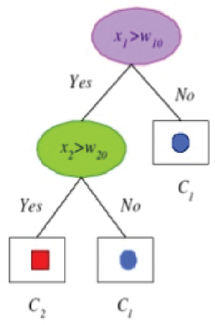
Average Salaries by Job Categories

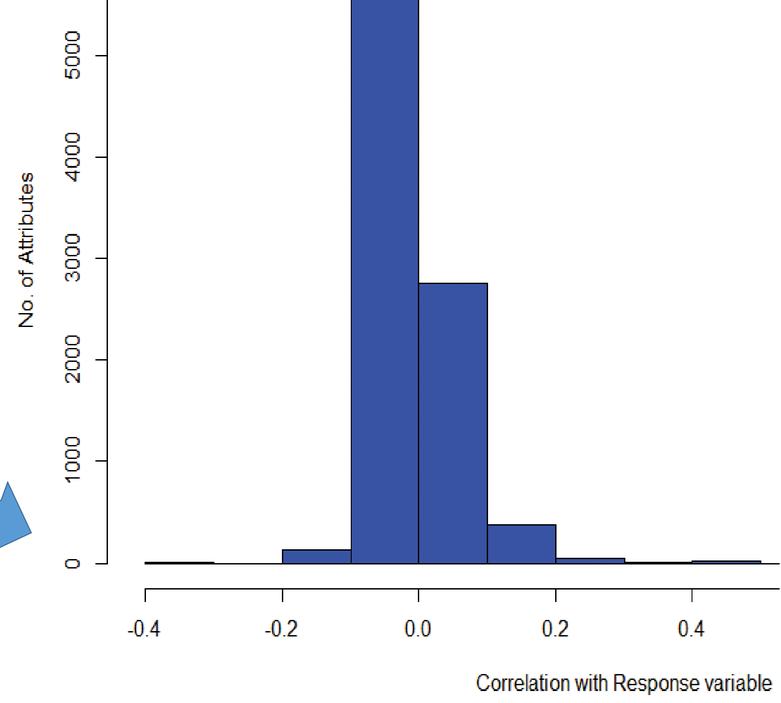
Average Salaries by Location.

2. Decision Trees









Correlation Analysis

1. Linear Regression

Result

We got an accuracy of 71% from decision tree model. Thus, we were able to accurately predict the salary of 71 out of 100 job postings.

START

END