# Week 5 Assignment BAN 200 ZBB (120806211)

1. Identify five of the topics in the Amazon reviews (paste the topics in a word document)

Graphical user interface, PowerPoint

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Topics :

+food,+dog,+cat,+eat,br

+coffee,+cup,+flavor,+roast,+strong

br,+juice,+drink,+soda,+orange

+chip,+flavor,+bag,+potato,+snack

+tea,+chocolate,+hot,+product,+mix

1. Develop a model using decision trees, and regression analysis to predict the "Score" variable based on the text in the reviews. Compare the outcome of these models using the model fit statistics. (paste both statistics in the word file).

Model using Decision Trees

Table

Description automatically generated

Model using Regression

Table

Description automatically generated

1. What model is performing better?

Decision tree model is not performing better as it has \_ASE\_ Average Squared Error is more than 1 for Train and Validation which are 1.46 and 1.48.

Regression model is not performing better as it has \_ASE\_ Average Squared Error is more than 1 for Train and Validation which are 1.13 and 1.14.

So both of models are not performing better.