

SPSS Modeler Model Evaluation and Analysis

WEEK 7





Disclaimer: Homework is made up for educational purposes.

Answer following questions:

1. Open "**car_sales_knn_mod.sav**" (Demos) and conduct cluster analysis for *engine size*, *horsepower* and *price* variables using Two-step algorithm.
2. Using Auto Cluster node, conduct cluster analysis for different cluster sizes in K-means clustering and identify ideal size.
3. Filter out unimportant columns using Feature Selection node. Additionally, filter out *partition* and *type* field.
4. Build Linear Regression model to predict *price*.
5. Evaluate normality of residuals and export graph using PNG format.
6. Open "**retail_purchase_data.txt**" (Demos). Conduct market basket analysis using APRIORI algorithm.

Note: Use Partition node before building each model.