Data Analytics Externship Program Assignment-4

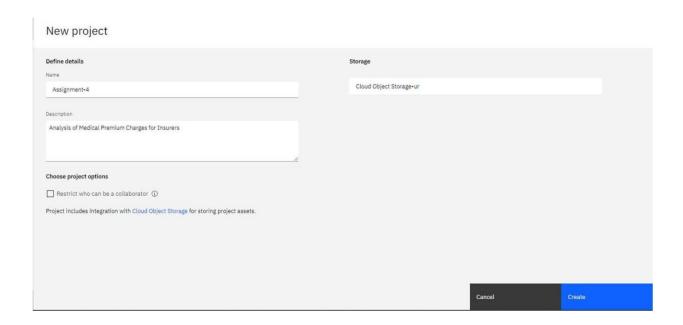
Name: Kadiyala Meghanath

Reg no: 19MIM10097 Campus: VIT Bhopal

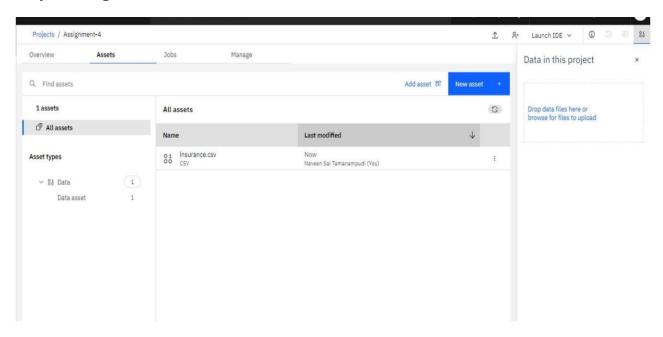
Clustering: Analysis of Medical Premium Charges for Insurers

Dataset Used: insurance.csv

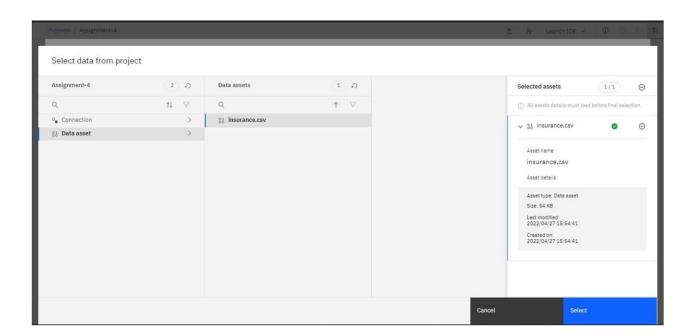
Creating the Project



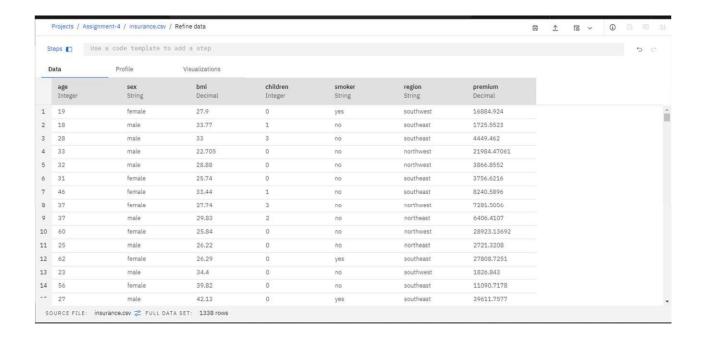
Uploading Data:



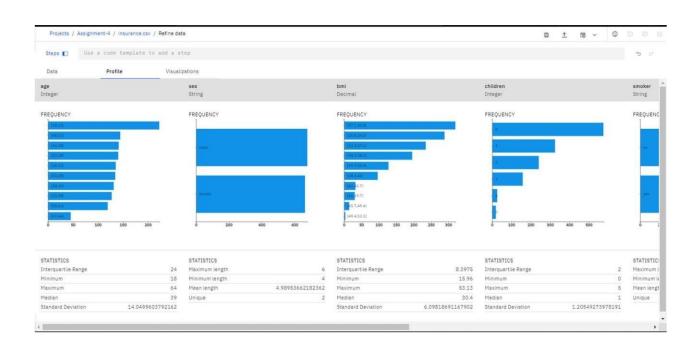
Creating a Data Refinery:

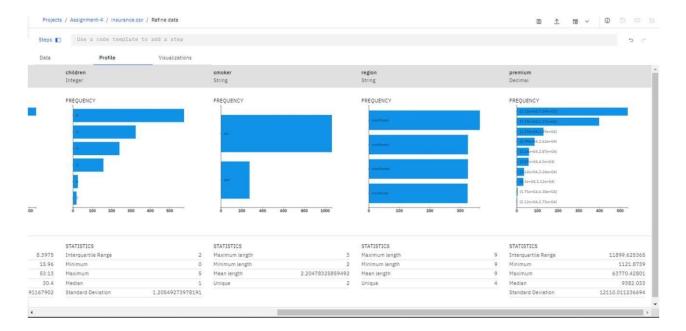


Viewing the output of refinery:

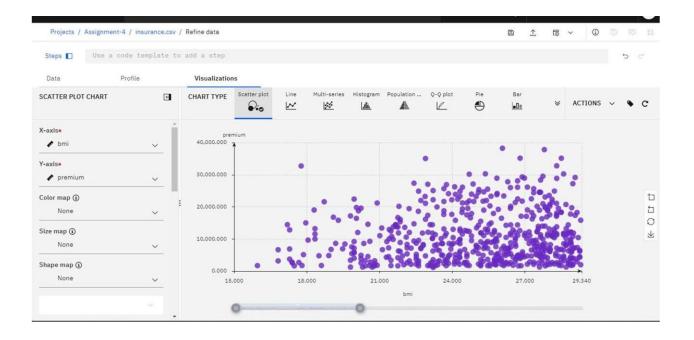


Viewing Profile:

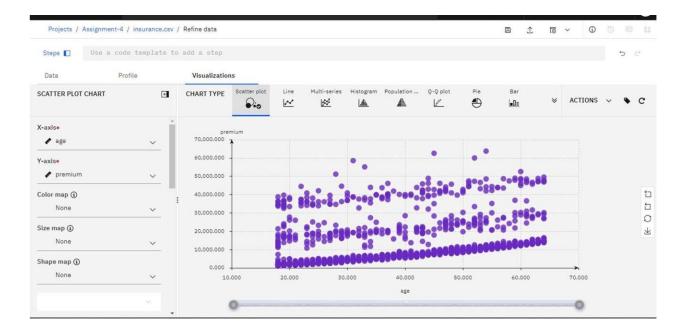




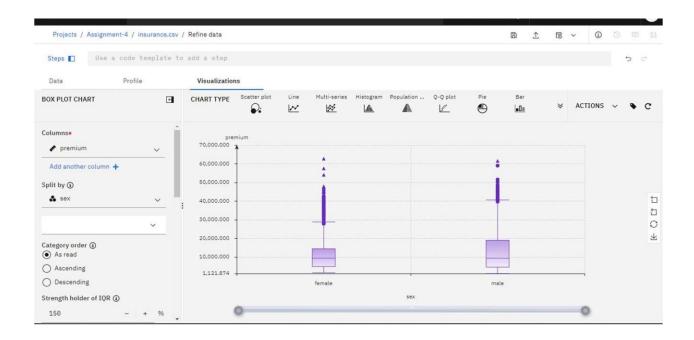
Viewing Scatterplot of BMI vs Premium:



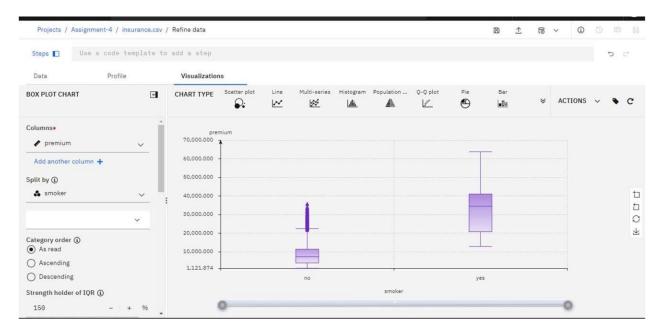
Viewing Scatterplot of Age vs Premium:



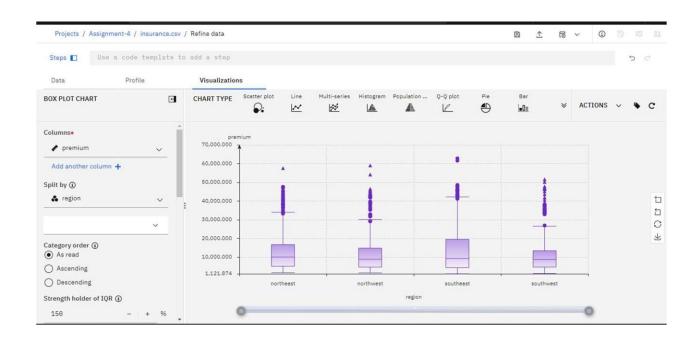
Viewing Boxplot of Sex vs Premium:



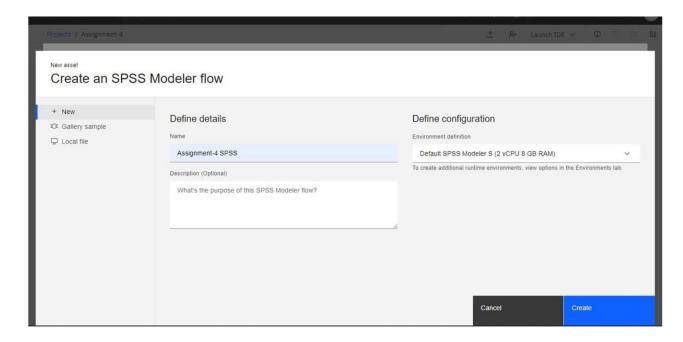
Viewing Boxplot of Smoker vs Premium:



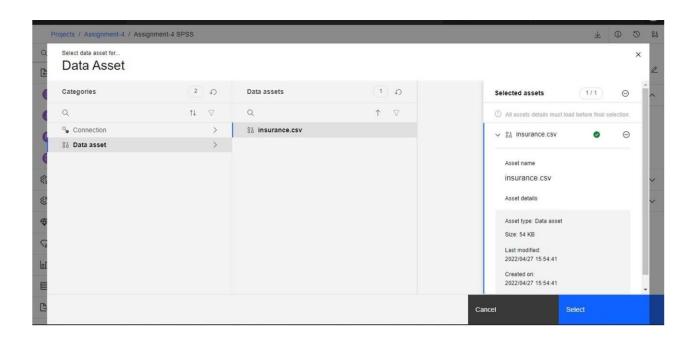
Viewing Boxplot of Region vs Premium:

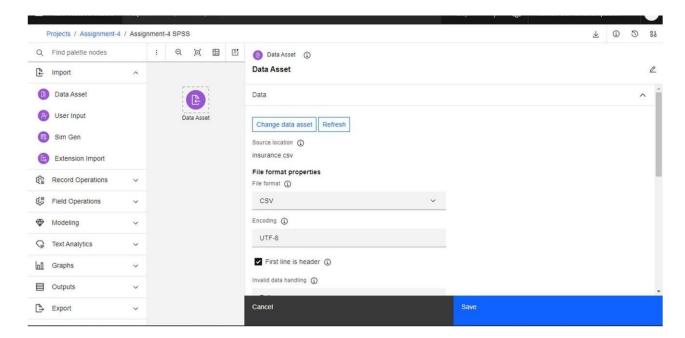


Creating an SPSS Modeler:

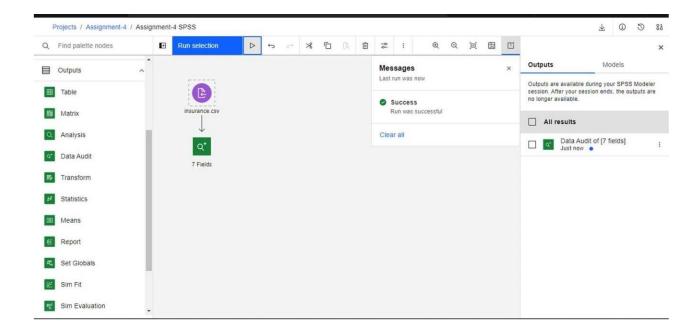


Uploading Dataset to Data Asset Node:

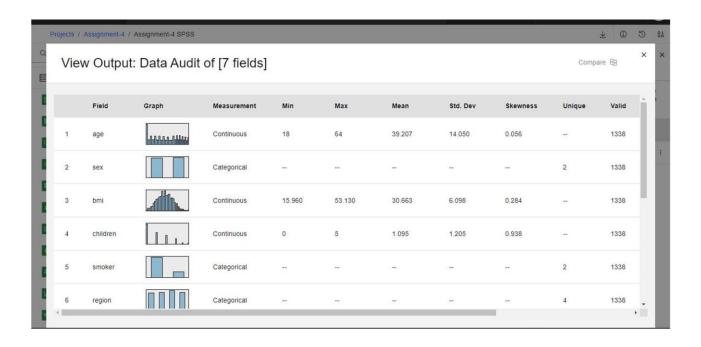


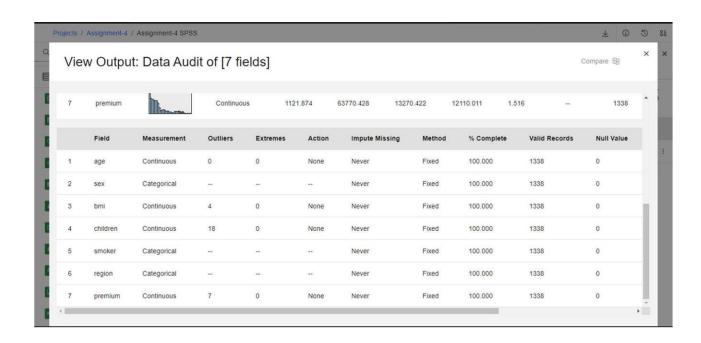


Creating Data Audit Node:

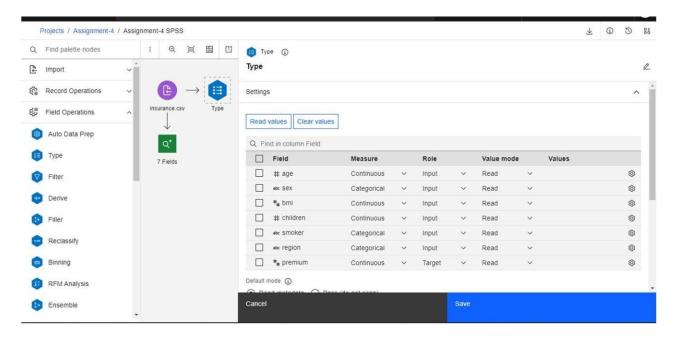


Output from Data Audit:

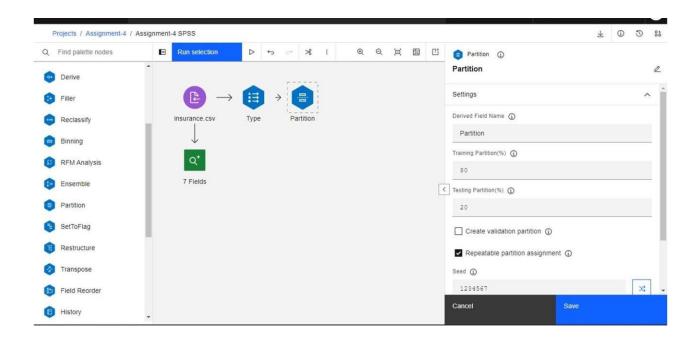




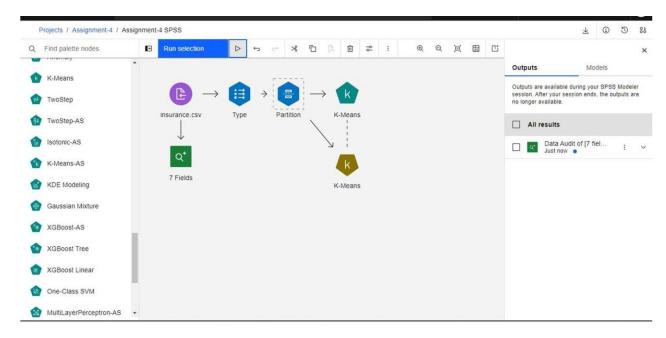
Creating a Type Node and setting Inputs, Targets:



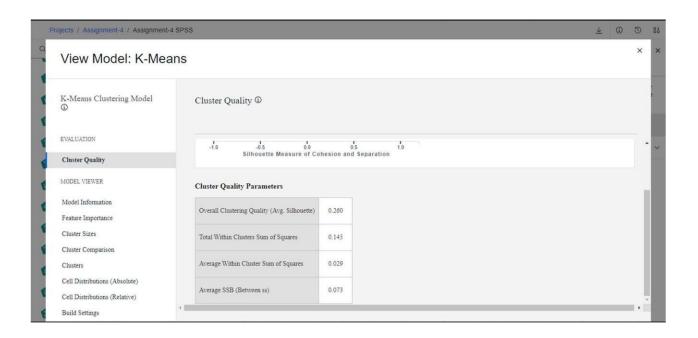
Creating a Partition Node with 80:20 split:

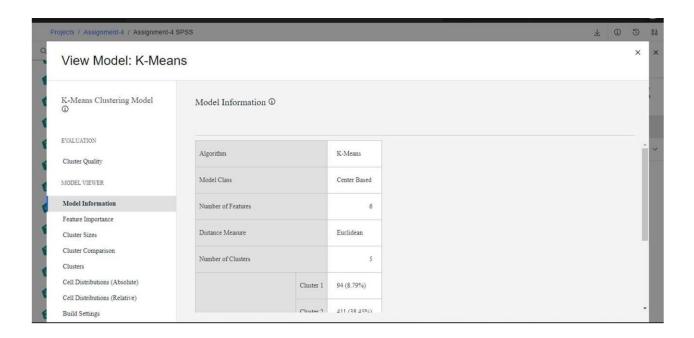


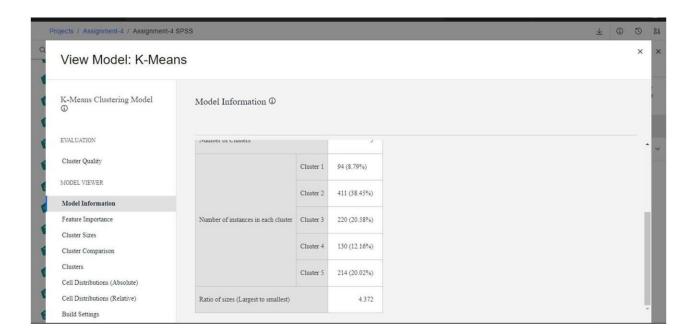
Creating a K-Means Clustering Model:

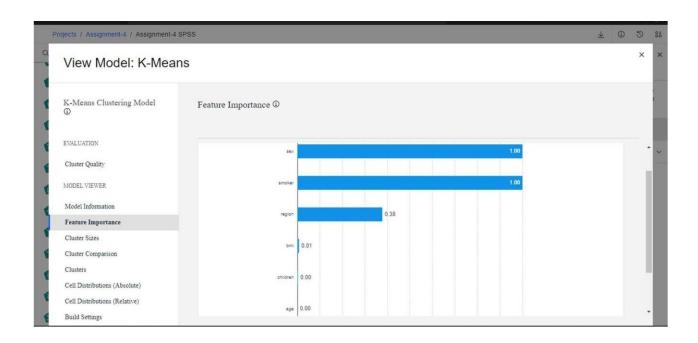


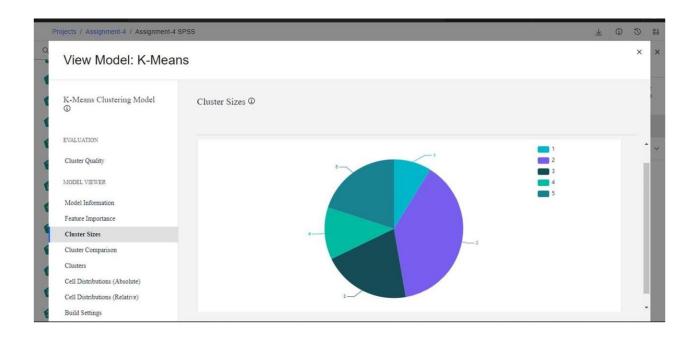


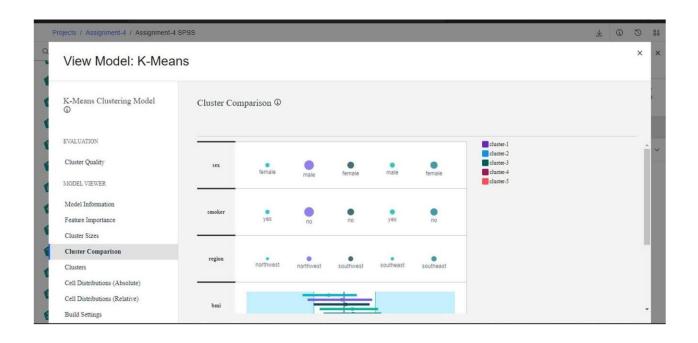




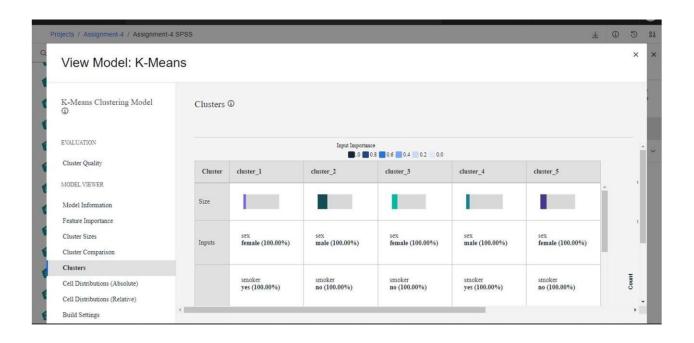


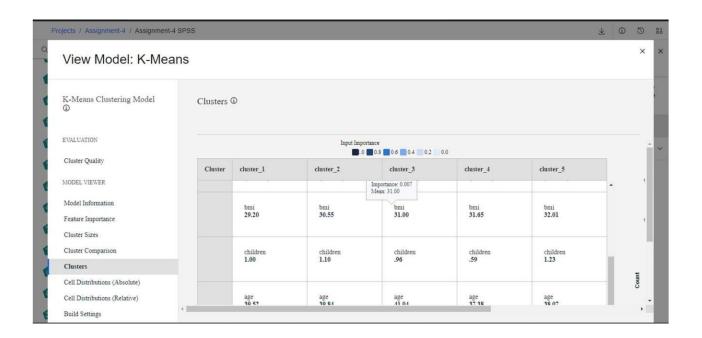


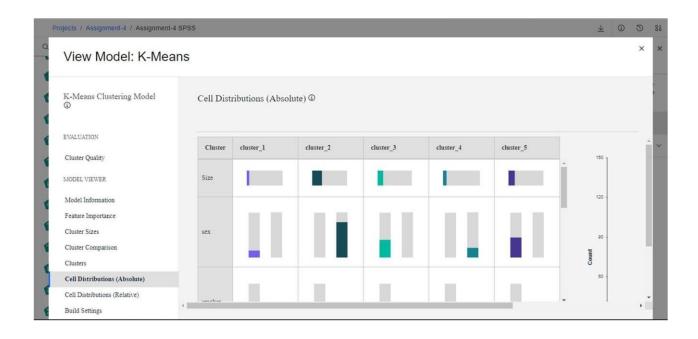


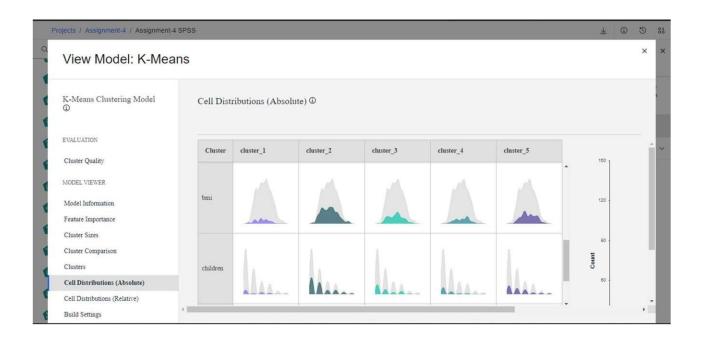




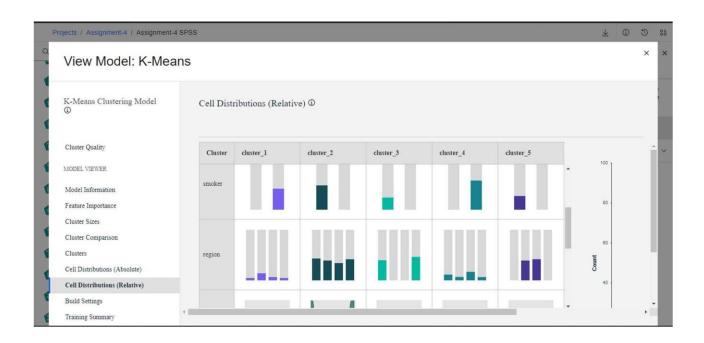


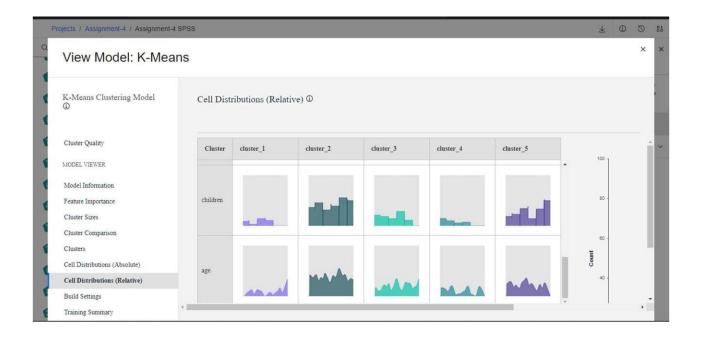


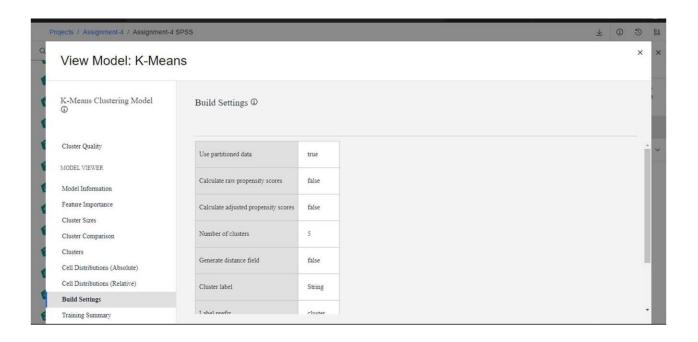


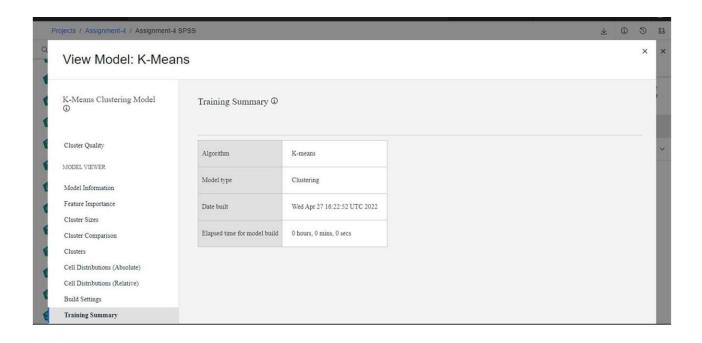




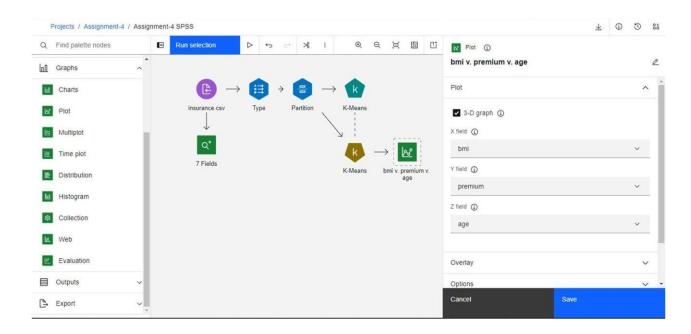


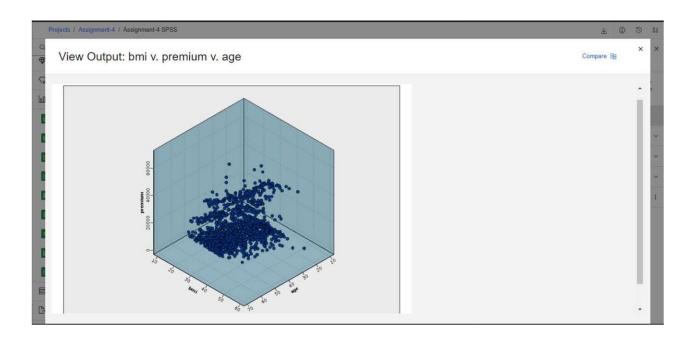




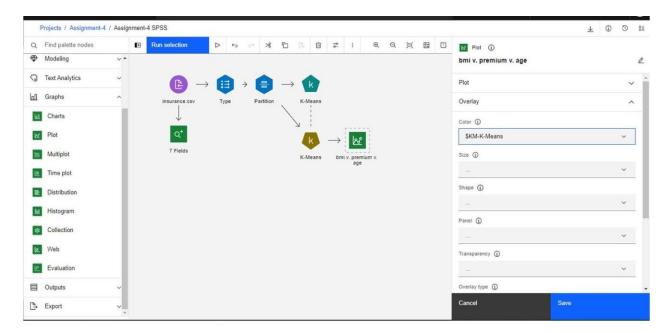


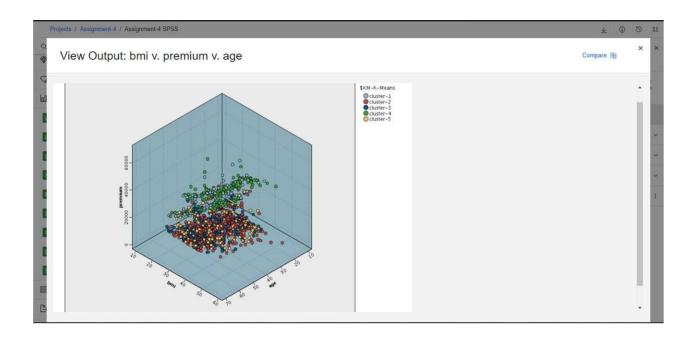
Creating a Plot Node with BMI vs Premium vs Age:





Assigning Colours:





Changing Number of clusters to 3:

