STT 811

In-Class Assignment 4

On D2L is the complaints dataset. Using the strategy described in the slides, modify the dataset by

(a) Summarizing the number of complaints by customer and year.

complaintsSummary <- sqldf("SELECT *,COUNT(*) as ComplaintCount FROM complaints

GROUP BY customerID, ComplaintYear

ORDER BY ComplaintYear, customerID")

(b) Add a column for predictive year

predictions <- sqldf("SELECT *, ComplaintYear+1 as PredictiveYear FROM complaintsSummary")

(c) Add a column which includes all complaints made by the customer on or before the year field (not predictive year).

ComCount <- sqldf("SELECT CustomerID, PredictiveYear, SUM (SUM (ComplaintCount)) OVER (ORDER BY PredictiveYear) AS ComplaintHist

FROM predictions
GROUP BY PredictiveYear
ORDER BY PredictiveYear")

View(ComCount)