**Chi-Square Test**

1. The marketing manager of Telecommunications Company is reviewing the results of a study of potential users of a new cell phone. The study used a random sample of 200 respondents and was conducted in metropolitan area representative of the company’s target market area. The marketing manager is intrigued by one table which is cross tabulation of data on whether target consumers would buy a phone (Yes or No) and whether the cell phone had access to the internet (Yes or No). Table represents this cross tabulation. Can the marketing manager infer that an association exists between internet accesses and buying the cell phone?

Two Way Tabulation of Internet Access and whether customers would buy cellular phone.

Internet Access Would buy the cellular phone

Yes No Total

Yes 80 20 100

No 20 80 100

Total 100 100 200

1. State the Null and Alternative hypothesis
2. Test the hypothesis and draw inference.
3. Give the following command after installing the package AppliedPredictiveModeling 

You will observe in the workspace environment, three datasets namely cars2010, cars2011 and cars2012 of same data description (meta data) getting created. Bind the three datasets to combine the data in them with an appropriate binding function, name that dataset with a name of your choice and answer the following questions about it

* Is there any association/dependence between variables *DriveDesc* and *CarlineClassDesc*?