**ISE 240**

**Hw type 2**

**Due May 11, 2018**

Consider the attributes data set from fashion industry (FashionDataSet.xlsx). Prepare a report based on the following questions. Also submit your R code

1. Using R programming language clean the data
   1. Check spelling mistakes to make sure every category is entered correctly, if not, correct the entries. Explain which corrections are made in your report.
   2. How would you treat the missing information (entries with “null”) in this data set. You can search the alternative methods for imputing missing values and pick one approach.
2. Use at least three methods to build a classification model to predict recommendation.
3. Compare the methods’ classification performance