Assignment #2

Instructor: Ross Maciejewski

1   Assignment 2 Guidelines

You will create a dataset containing the Movie, Release Date, Distributor, Genre, MPAA rating, gross, tickets sold and inflation adjusted gross for the 2011 and 2012 movie season. Data is available at:

http://www.the-numbers.com/market/movies2011.php
http://www.the-numbers.com/market/movies2012.php

You will analyze this data set, creating the following statistical graphics:
1) A box and whisker graphic comparing the inflation adjusted gross with respect to the distributors (combine both years of movies for this exercise)
2) Create two histograms showing the distribution of ticket sales in the year 2011 and 2012 respectively
3) Use statistical graphics to answer two questions of your own making, for example, "How did movies distributed by Warner Bros. fare compare to those distributed by Walt Disney Pictures?"
4) Finally, create a comparison of the Best of XXX category for the 83rd and 84th Academy Award nominees (which correspond to the 2011 and 2012 season respectively). For example, compare the gross distribution of Best Picture Nominees between years. Information on Academy Award nominees can be found on Wikipedia (http://en.wikipedia.org/wiki/84th_Academy_Awards)

You will turn in a maximum 6 page report containing the images you made and a description of what you learned about the movie industry in creating the graphics. Your report should have four sections, one section corresponding to 1) above, another corresponding to 2), and two sections corresponding to the two questions you will develop for 3).

You may use any tool available to you to create these graphics (Matlab, excel, etc.). Your report should note what tools you used to develop your analysis.

2   Deadline
- **February 4th (3PM)**

3   Grading

Grading will look at graphics, spelling, grammar and overall content of the summaries.

- o   No late homework will be accepted
- o   All homework should be submitted through blackboard