CS 105

MP6: Going to the Movies with Excel

Due by 6:00pm on Tuesday, April 1, 2014

Introduction

In this MP, you will work with a data set from The Guardian News (a newspaper based out of the London) where their team created a list of the greatest movies of all time. This data set consists of 25 movies, each movie with a rank, and other relevant data.

Remember: This MP is a **solo assignment**. You should review the academic integrity policy on the course website if you have any concerns about what is reasonable to do when completing this MP

Getting Started

Similar to the previous MPs and the labs, we have prepared a base file for you work from. You can find these files on the CS 105 website, under the "Assignments" tab, and under the "MP6" link. Unlike other assignments, this file is not zipped and does not need to be extracted. Instead, you can open the file directly with **Microsoft Excel**.

Requirements

When you open up `cs105mp6.xlsx`, you will find that the range `B2:G20` contains a series of fifteen questions about the data that exists within the range `A25:I50`.

Similar to MP5: many of the fifteen questions contain an "Input Field" (column E), where the input can be dynamically changed by a user to update the answer that is calculated by the Excel spreadsheet. We have pre-populated some values for each field in the input fields, but you should **change the values to test your formulas**.

All of the fifteen questions contain a "Calculation" field (column F), where **you must provide a formula** that calculates what is asked in the question for that row. As mentioned in the previous paragraph, if the question takes in an input field, **you must make sure your formula returns the correct value when the input fields are changed**. This requires for you to never put a value from the input field directly into your formula. **If your formula for Q3 contains "2000", it is incorrect.**

Scoring and Submission

Each of the 15 questions on the MP is worth 2 points, for a total of 30 points. There will be no partial credit given per formula – you either get 2 points for a correct formula or 0 points for any other formula. To submit MP6, follow the link on the MP6 page on the CS 105 website for the submission page.