SI649 Fall 2016 – Lab 1-answer-sheet

Sep 12/13, 2016 -- DUE SUNDAY, SEPTEMBER 18th at MIDNIGHT

Name:
Unique Name:
Lab Partner's Name:

- Please answering the following questions with screenshots and descriptions.
- When taking screenshots, please include the ENTIRE tableau window.
- Bonus tasks are optional and give you extra credit.
- When answering question 10 and 11, please document steps that you used to generate the visualization. Also describe your solutions in words.

You will upload the following items to the canvas:

☐ the pdf version of the answer sheet
☐ the tableau book of the group project (even if you complete these individually)
☐ the tableau book of the individual project
☐ data used for the individual project (if not embedded in the Tableau workbook)

--Group Task--

Question 3:Which is the most profitable movie?

☐   3.3 Which has the largest difference between worldwide gross and U.S. gross?

Movie name:

Question 4: How do I find all movies that have contain specific string in their names?

☐   4.2 Create a group with all titles that contains the string "dragon"

Paste screenshot here of you creating the group (we don't need the full list):

Question 7: Is there any director who has never directed any profitable movie?

☐ 7.6 Are there directors who have never directed profitable movies? Who are they? (Hint, besides using revenue as a dimension, you can also use filters to complete this task) (You don't need to write down the whole list, just show us how to find them.)

Screenshot:

Answer:

Question 8: Can I get more information about a specific genre?

☐ 8.3 If you want to find out which director has the highest average revenue for action movies, do you want to use pages shelf or filters shelf? Why?

☐ 8.4 Which director has directed the most profitable Comedy movie? (Hint: use

| iii Columns | MAX(Revenue) |

and filters/pages shelf)

Paste your screenshot:

Director name:

☐ 8.5 Bonus Question: do movies that contain the name "star" have higher average revenue than movies contain the name "dragon"?

Screenshot of visualization:

Answer:

Question 11: **Is it better to invest in action movies or in comedy movies? Which director would you invest in?**

(This is an open-ended question. Please write down the steps that you used to create the visualizations, and describe how these visualizations help you to make your decision)

Solution: e.g., I want to invest in ….. because …... .

I obtained this solution by completing the following steps:

　　☐Step1:

　　☐Step2:

　　☐.......

Question 12: **What's the relationship between IMDB ratings and the revenue?Are highly-rated movies more profitable? (Please write down the steps that you used to create the visualizations, and describe how these visualizations help you to make your decision)**

Solution: e.g., the relationship between ratings and the revenue is …….

I obtained this solution by completing the following steps:

　　☐Step1:

☐Step2:

☐.......

--Individual Task--

☐ Step 1. The domain that I am interested in is:

☐ Step 1.1. The dataset that I selected is:

　　　☐ a screenshot of the sample data-table

　　　☐ The link to the dataset

　　　☐ include the dataset that we need to open your tableau book in the canvas submission

☐ Step 2. The initial question(s) that I would like to answer is (are):

☐ Step 3. Document what you had to do to construct the visualizations and how the questions evolved. Please include screenshot of the visualizations that you have created. **Each insight visualization should be well constructed and labeled (put annotations on the images if you want to call attention to specific findings). You should have at least 2-3 insight visualizations and 9-10 experiments**. **Aesthetics count here, please make sure you make good choices in colors, fonts, layouts, etc.** Here are some aspects that you might want to include in your documentation:

　　　☐ **1.** Describe any transformations or rearrangements of the dataset that you needed to perform;

　　　☐ **2.** Describe how you got the data into the format needed by the visualization system.

　　　☐ **3**. how it answers the question you posed