



SUMMARIZING & GRAPHING DATA

Your task is to work in a group of maximum **three** to work on two different sets data from textbook. This can guarantee that the data sampling method is appropriate.

Your project must be ALL (including FULL name of each team member) typed.
NO HAND WRITING WILL BE ACCEPTED.

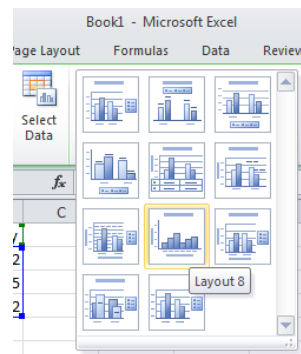
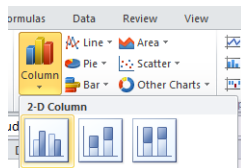
Your project will be graded based on the following guidelines:

- ✓ Work is divided equally among group members so that all members are on task.
- ✓ Type **full** name of each team member (**10 points**)
- ✓ State the purpose of the project. (refer to P. 46) (**10 points**)
- ✓ Data (**10 pts each data set**) **In all the following chapter projects, you ALWAYS need to provide the data set.**
 - Data must be all typed and organized in a table of **5 rows**.
 - (**Histogram**) Quantitative data set is on P. 770, Data Set 3: Freshman 15 Data, **Weight in September.**
 - (**Pie Chart**) Categorical data set is on P. 777, Data Set 9: Movies, **MPAA Rating.**
- ✓ Using Microsoft Word/Google Doc/Google Sheet or Excel, create two typed tables that summarize each of your results (**10 pts each**)
- ✓ Construct your project in Microsoft Word which should include:
 - Use EXCEL/Google Sheet to create a Histogram with your quantitative data (**10 pts for each**)
 - Label the vertical and horizontal axis
 - Type a short paragraph (4 ~ 6 sentences) to summary each data set. (**10 pts for each**)

****The project is worth 100 points. One Group submits ONE report!!!**

How to make a histogram on Excel:

1. Open up Excel and create your frequency distribution.
2. Type classes in far left column A.
3. Type frequencies in column B.
4. Highlight columns A and B.
5. Click on the insert tab.
6. Click on Column and choose the first 2D option →
7. In the toolbar (to the right of select data) find and select the chart template that includes a label on the top bottom and left side of the graph (Layout #8) →
8. Labels!! Label the x- and y-axis, write your title, and change the colors of your bars to show separation.



Or, go to google and type “how to create a histogram in Google Sheet”, and then watch the video clips to learn how to create this graphic.

Suggested video clips about “how to create a histogram in Google Sheet”:

<https://www.youtube.com/watch?v=0jFCBbvSS4U>

Suggested video clips about “how to create a pie chart in Google Sheet”:

<https://youtu.be/sVz-5Sm2Y-Q>

The temple of your project

Student Group Name: John Smith, Mary Williams, etc. (10 pts)

Briefly describe the purpose of your project (10 pts)

Date Set #1 (10 pts)

72	97	74	93	68	59
64	56	Blabla	Blabla		

Frequency Table (10 pts)

Insert the Histogram here for Data Set #1 (7 pts) and with appropriate horizontal and vertical labels (3 pts).

Your summary for Data Set #1 (10 pts)

Date Set #2 (10 pts)

R	R	PG-13	PG-13	PG-13	PG-13
PG	R	Blabla	Blabla		

Frequency Table (10 pts)

Insert the Pie Chart here for Data Set #2 (7 pts) and with appropriate horizontal and vertical labels (3 pts).

Your summary for Data Set #2 (10 pts)