UDACITY

DISCUSS ON STUDENT HUB

Analyze Survey Results

REVIEW

ANNOTATIONS 1

HISTORY

Meets Specifications

Audrey,

Great work on your submission, you showed a great understanding of the underlying concepts and passed all the rubrics! Best of luck on the following projects and lessons!

All the best,

Submission Phase

A PDF report has been uploaded and a excel workbook has been uploaded in a single zipped folder file

Great work including both required files!

Exploration Phase

The project clearly states four or more questions, then addresses those questions in the rest of the analysis. The solutions to the questions should range in being found from a single column to being found using multiple columns.

At least one question/solution must make use of multiple columns.

Great work including 5 questions to be explored over the course of our submission!

Student uses means, medians, and modes to generate insights.

Stating the mean, median, and mode is insufficient. Please include in the written description a short insight related to each one.

For example here is an insight based on median:
The median number of hours slept by survey respondents who were employed was 4 hours. The median number of hours slept by unemployed survey respondents was 12. It looks like those who are unemployed get much more sleep based on the median.
(this data is fake for this example)

Great work including insights with all three measures of center!

Student uses standard deviation and range to generate insights.

Stating the standard deviation and range is insufficient. Please include in the written description a short insight related to each one.

For an example, please review the finished slide example in the classroom, which can be found in the Analyze Survey Data project lesson (concept 7: Finished Example Slide).

Fantastic work using both measures of spread to produce insights for our analysis!

Student uses at least two different plots to explore the data. These plots may include histograms, box-plots, scatterplots, and bar charts to explore data and gain insights.

All slides must contain a visualization. Screenshots of values in a table does not count.

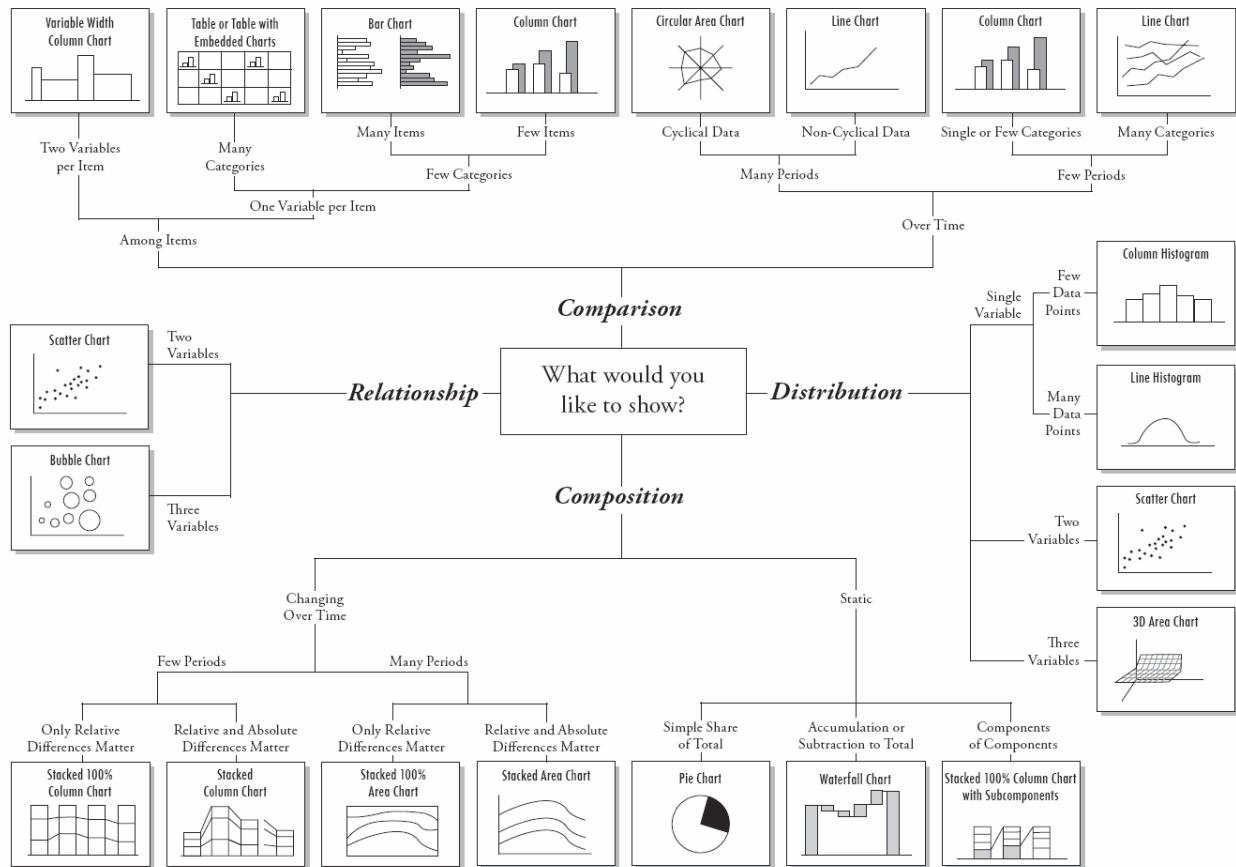Excellent work making use of multiple chart types to present our analysis!

Suggestion:

We could use a scatter plot to explore relations between numeric variables
(https://en.wikipedia.org/wiki/Scatter_plot)

We could use maps to explore the location of the students

We could use maps to explore the location of the students

For the future you can use the following as a reference:

Variable Width Column Chart
Two Variables per Item

Table or Table with Embedded Charts
Many Categories

Bar Chart
Many Items

Column Chart
Few Items

Few Categories

One Variable per Item

Among Items

Circular Area Chart
Cyclical Data

Line Chart
Non-Cyclical Data

Many Periods

Column Chart
Single or Few Categories

Line Chart
Many Categories

Few Periods

Over Time

Comparison

What would you like to show?

Scatter Chart
Two Variables

Bubble Chart
Three Variables

Relationship

Distribution

Single Variable
Column Histogram
Few Data Points

Line Histogram
Many Data Points

Scatter Chart
Two Variables

3D Area Chart
Three Variables

Composition

Changing Over Time

Static

Few Periods

Many Periods

Only Relative Differences Matter
Stacked 100% Column Chart

Relative and Absolute Differences Matter
Stacked Column Chart

Only Relative Differences Matter
Stacked 100% Area Chart

Relative and Absolute Differences Matter
Stacked Area Chart

Simple Share of Total
Pie Chart

Accumulation or Subtraction to Total
Waterfall Chart

Components of Components
Stacked 100% Column Chart with Subcomponents

An appropriate visual is chosen to present the data. All labels are legible and the visual has appropriate axis labels.

Every visualization should have

- **chart title**
- **x axis title**
- **x axis labels**
- **y axis title**
- **y axis labels**

Please refer to the finished slide example page in the classroom for an example.

Outstanding work including all the required labels for all the charts used!

Communication Phase

The results of the analysis are presented such that any limitations are clear. The analysis does not state or imply that one change causes another based solely on a correlation.

The results do not imply facts about a larger group of individuals based on descriptive values. Language is only applied to the specific data provided. Unless a correct analysis beyond the course material is conducted that allows for inference.

This data is from Survey Respondents and is not from the entire Udacity Student population. This must be acknowledged at least once in the submission.

Great work making clear the limitations of our dataset and what this means for our conclusions!

The analysis associated with answering a particular question uses the appropriate variables, summary statistics, and plots that could provide an answer.

All the questions you proposed are thoroughly answered by the analysis presented, great work!

⬇ DOWNLOAD PROJECT

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