UDACITY

Return to "Business Analytics Nanodegree" in the classroom

Analyze NYSE Data

REVIEW

HISTORY

Meets Specifications

Avid Udacity Student,

Congratulations! 👏 You have successfully completed this project with this re-submission. Good knowledge of statistics and and great analytical skills shown in this work. Please keep up doing this awesome job! You have mastered the spreadsheet commands needed to conduct business analysis, build an Income Statement and a financial forecast model using scenarios. The Udacity team wishes you all the best in your nanodegree journey. Keep up the good work! 😄

Submission Phase

A PDF report have been uploaded as part of a zipped folder.

A PDF report has been uploaded as part of the zipped folder as required. Nice job!

Student provided an Excel file as part of a zipped folder or link to Google Sheet (in case the student used Google Sheets instead of Excel) necessary for review. This file should include their Profit and Loss statement and forecasts. The Google link should be included in the PDF or slides document.

The spreadsheet (Excel or Google Sheets) should contain individual tabs for the dataset, calculation of the summary statistics, dashboard for Profit and Loss statement, and Forecasting model with scenarios. There can be additional tabs in the Workbook that are needed for the dashboard and forecasting model.

Awesome! The submission has provided a workbook that includes the individual tabs for the dataset, calculation of the summary statistics, dashboard for Profit and Loss statement, and Financial Forecasting model with scenarios as requested. :+1:

Exploration of Summary Statistics

Student uses the measures of center and spread and at least one numeric summary statistic to generate insights.

Stating the summary statistics is insufficient. Please include in the written description a short insight related to each one.

For example here is an insight based on mean:
The mean total revenue for companies categorized under Pharmaceutical industry ($26,325,440,909.09) was higher compared to mean total revenue for all healthcare industries ($23,142,217,458.76). It looks like companies in the Pharmaceutical industry have a higher total revenue on average than all industries categorized under Health Care.

Good job calculating the measures of central tendency for the quantitative data and providing related insights based on the mean and median. The insights generated are quite good which explain the differences in the values in a clear way. :+1:

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 example, please review the finished slide example in the classroom, which can be found in the Analyze NYSE S&P 500 dataset project lesson (Finished Example Slide).

Great work using both measures of spread in generating meaningful insights. An insight about variability has been generated based on standard deviation and an insight about spread of the data has been generated based on range. This is absolutely correct. Well done! :+1:

Student uses at least one plot to explore the data. The 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.

Nice job using a histogram to explore the data!

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 (including which year's data the chart depicts)**
- **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.

Your visualizations look great which include clear readable chart titles, axes titles and labels where appropriate. This shows you can clearly create and present great visualizations for the audience to see and understand.

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.

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

Awesome job with the analysis! It uses the appropriate variables and plots, as well as the summary statistics that provide an answer to the question posed.

Business Metrics

Student has input the correct formula for each business metric in the income statement and forecast model. Student has built a forecast model for any company of choice. A dropdown for a company in the forecast model is NOT required.

Good job! Looking through the income statement and the financial forecast, you used the correct formula for each business metric in the income statement and forecast model.

The student provides appropriate assumptions based on gross margin, revenue growth and operating margin for the financial model scenarios.

Awesome! Nicely done with the assumptions based on gross margin, revenue growth and operating margin for the financial model scenarios.

Excel Functions and Modeling

Student demonstrates using VLOOKUP or INDEX and MATCH statements. The student can use the appropriate functions such as OFFSET and MATCH to create forecast scenarios.

Excellent demonstration here of the use of INDEX and MATCH statements. Moreover, in using appropriate functions such as OFFSET and MATCH to create forecast scenarios.

DOWNLOAD PROJECT

RETURN TO PATH

Rate this project