

[Return to Classroom](#)

Analyze NYSE Data

REVIEW

HISTORY

Meets Specifications

Outstanding! 🏆 Nice work making the required adjustments by including insights about the range and standard deviation. Your report is organized, polished and has relevant insights. I like how you raised an excellent business question, used the NYSE data to answer that question, and visualized the results. I enjoyed reading your slide and the analysis you included with the chart to dig into financial metrics such as the operating income and how it compares across various companies listed on the NYSE, like ones in the Tech sector.

Here is an Investopedia article that describes various financial models you can create with Excel!
<https://www.investopedia.com/financial-edge/0812/financial-models-you-can-create-with-excel.aspx>

Congratulations on passing! 🏆 Keep up the great work. Best of luck on your next project! :-)

Submission Phase

✓	A PDF report or / PPT presentation have been uploaded as part of a zipped folder.
✓	<p>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.</p> <p>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.</p>

Exploration of Summary Statistics

✓	<p>Student uses the measures of center and spread and at least one numeric summary statistic to generate insights.</p> <p>Stating the summary statistics is insufficient. Please include in the written description a short insight related to each one.</p> <p>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.</p>
✓	<p>The student uses standard deviation and range to generate insights.</p> <p>Stating the standard deviation and range is insufficient. Please include in the written description a short insight related to each one.</p> <p>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).</p>
✓	<p>✓ You correctly calculated the Standard Deviation and Range in the excel file ✓ Excellent adjustment to your insights by describing the implications of the range and STDEV</p> <p>💡 Knowledge The following is a reference that outlines interpretations and calculations for the STDEV https://statisticsbyjim.com/basics/standard-deviation/</p>
✓	<p>The 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.</p> <p>All slides must contain a visualization. Screenshots of values in a table do not count.</p>
✓	<p>An appropriate visual is chosen to present the data. All labels are legible and the visual has appropriate axis labels.</p> <p>Every visualization should have</p> <ul style="list-style-type: none">• chart title (including which year's data the chart depicts)• x axis title• x axis labels• y axis title• y axis labels <p>Please refer to the finished slide example page in the classroom for an example.</p>

Communication Phase

✓	<p>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.</p> <p>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.</p>
✓	<p>The analysis associated with answering a particular question uses the appropriate variables, summary statistics, and plots that could provide an answer.</p> <p>✓ Good choice of plot and analysis to answer the business question you raised related to operating income ✓ Well done adjusting and including interpretations of the summary stats in the write-up including the Range</p>

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.
✓	The student provides appropriate 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.
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