

•	Name:
•	Date:
•	Section:

BUSI 201: Business Data Analysis

Practice Final Exam

NOTE:

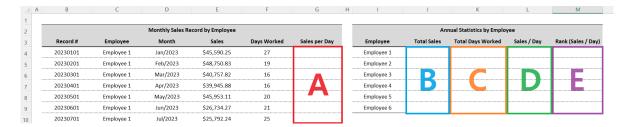
- This practice final will consist of relatively simple tasks compared to the actual final exam.
- The final exam will also be longer than this practice final exam, since the final exam will be drafted for a 90 minute exam period.
- You should use this practice final exam as a preview of the *style* and *format* of the final exam.

INSTRUCTIONS:

- BUSI201-PracticeFinal-Workbook.xlsx is the companion workbook for this quiz.
- The workbook consists of 4 worksheets: P01 to P04
- The quiz booklet contains 4 problems, each corresponding to one worksheet.
- This practice final exam is not a graded item.

Problem #1. Functions

Navigate to worksheet P01. Complete the tasks described below using functions. Any completed material that is deemed to be manually calculated will not receive any credit.



• Task #1:

- Fill the cells in the Red Box: A with the average sales per day that the employee made for each month. For instance, for the first cell G4 should be populated with 45, 590.25/27.

• Task #2:

Fill the cells in the Blue Box: B with the total sales that the employee made for the year of 2023.

• Task #3:

 Fill the cells in the Orange Box: C with the total number of days that the employee worked for the year of 2023.

• Task #4:

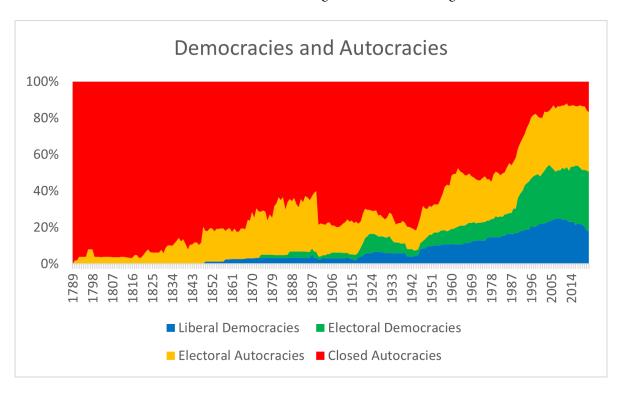
 Fill the cells in the Green Box: D with the average sales that each employee made per day in the year of 2023.

• Task #5:

- Fill the cells in the Purple Box: E with the ranking of the employees based on total sales figures over the year of 2023.

Problem #2. Charts

Navigate to worksheet P02. The table provides you with data on the composition of political systems across the world from 1789 to 2022. Use this table to generate the following chart.



The following is a list of items that you may use as a guideline to completing this task. Note that this may not be an exhaustive list of items.

- The chart type.
- The values of the axes.
- The title of the chart.
- The order of the series.

Problem #3. Conditional Formatting

Navigate to worksheet P03. This worksheet contains the top 50 rated moves on IMDB as of Nov. 2023. Apply conditional formatting to the existing table to color the entire entry of a movie to have a red background when the MPA rating is R. The figure below depicts the desired end result. Points will not be awarded if the formatting was done manually.



Problem #4. PivotTables

Navigate to worksheet P04. This worksheet contains the top 4 stocks that make up the investment portfolio for Berkshire Hathaway; AAPL, BAC, KO, and AXP. Using this data, construct a PivotTable that matches the one displayed in the figure below:

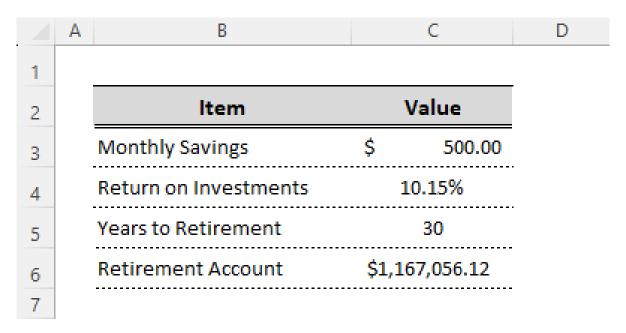


The following is a list of items that you may use as a guideline to completing this task. Note that this may not be an exhaustive list of items.

- Report layout of the PivotTable.
- Grouping the column fields.
- The location of the grand totals.
- The appropriate slicer.

Problem #5. What-if Analysis

Navigate to worksheet P05. This worksheet contains a simplified calculator to calculate retirement plans. Using tools available to you under What-if Analysis, calculate the monthly savings required for a person to retire with a retirement account valued at \$3,000,000 in 30 years when their returns to investment averages 10.15% annually.



That is, find the value of C3 that is required for the value in C6 to be \$3,000,000 given the current Years to Retirement and Return on Investments.