

# مايكروسوفت إكسل Zero to Hero

» @X in Masar\_2030 «

# Final Project Guidelines

## Students' Version

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**2024**

## General Instructions

- The Final Project should be **submitted on time**.
- The Final Project should **reflect your own work**.
- The Final Project should **contain all requirements**.
- The Final Project should **express your understanding and your capability** to do works on Excel on the future.
- Each Student **will have a particular instructor** to guide the process during your preparation for the final project.
- Instructors are here to help you to do your best, so don't hesitate to ask and discuss with them whatever you need in the final project.
- The Final Project **contains 3 requirements** as following:

- Excel workbook contains all work.

Excel



- (2 to 3) pages as a written report.

Report



- (2-5) minutes Presentation or video.

Presentation



# Project's Questions

## Question #1:

1. Open Excel File (Final project questions).
2. Go to sheet named Q1.
3. Make it as a table.
4. Create an ID for each row starting from 1 in column A.
5. Add a column named "Profit" which is " $Cost - Sale$ " after the last column "Sale".
6. Fill in the following table:

Table 1: Q 1 Answer

Avg Cost	Avg Sale	Average cost only for the cost above the average	Average Sales only for the cost above the average

7. How many days between the first order and the last order?
8. Write this table (Table 1) with answers on the Excel Sheet which should be named as Q1 Answer.

## Question #2:

1. Open Excel File (Final project questions).
2. Go to sheet named Q2.
3. Using a proper function, change "Female" to "F" and "Male" to "M" for the entire table in Q2 sheet.
4. Make at least 3 pivot tables and comment about your findings.
5. Write your answers on the Excel Sheet which should be named as Q2 Answer.

### Question #3:

1. Open Excel File (Final project questions).
2. Go to sheet named Q3.
3. Write a VBA code to perform the following tasks in an Excel spreadsheet:
  - Generate random numbers between 200 and 1000 in column A, starting from cell A2 to A101.
  - Calculate the squares of these random numbers and place the results in column B.
  - Determine whether each number in column A is odd or even and display the result in column C.
4. Write your answers on the Excel Sheet which should be named as Q3 Answer.

### Question #4:

1. Open Excel File (Final project questions).
2. Go to sheet named Q4.
3. Make it as a table.
4. Make the following pivot tables:
  - a. Sum of profit by City by Product
    - i. Sort it from the largest to smallest (Grand total)
    - ii. Make a stacked column chart for (i)
    - iii. Don't forget to give title for axes and the chart.
    - iv. Hide legend button from the chart
  - b. Number of units sold by year
    - i. Make a line chart for (b)
    - ii. Don't forget to give title for axes and the chart.
    - iii. Hide legend button from the chart
  - c. For each chart, make two slicers.
  - d. Make another dashboard where one slicer controls both charts.
5. Write your answers on the Excel Sheet which should be named as Q4 Answer.

### Question #5:

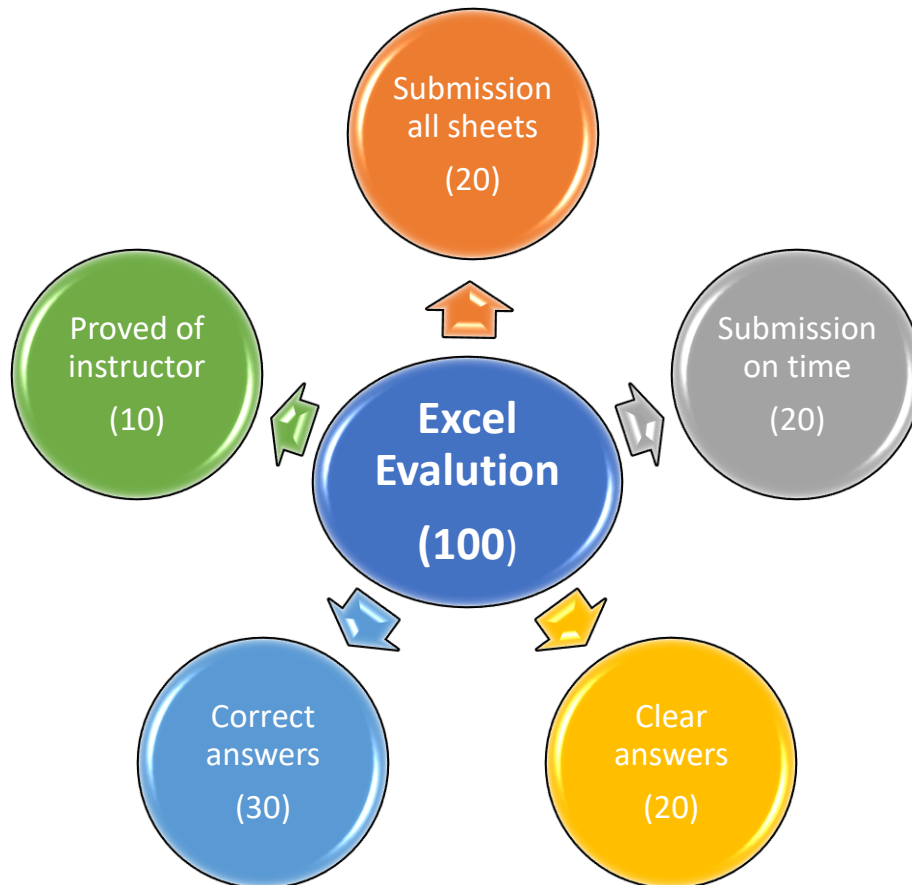
1. Open Excel File (Final project questions).
2. Go to sheet named Q5.
3. Write the hypothesis for the correlation between Distance travelled and Calories burned.
4. Make a scatter plot between the two variables (Add a linear trend line and reset the border lines for both X and Y axes as needed).
5. Find the correlation between the two variables.
6. Write your answers on the Excel Sheet which should be named as Q5 Answer.

\*Fit a regression model and see if it significantly explains the relationship between the independent and dependent variable

## Project's Questions Comments

- You can ask and discuss with your particular instructor to illustrate questions and the best ways to answer them.
- You will get a feedback if you wish about your answers on the final project after the evaluation process.
- You can discuss with the General Supervisor of the Final Project (Eng. Abdulsalam) about any things that need to be clarified or illustrated.

## Excel Evaluation



## Report Evaluation



# Presentation or Video Evaluation

