

ASSIGNMENT ON FINAL ASSESSMENT

SUBMITTED BY:

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COURSE: DATA SCIENCE EXCEL
CENTRE: UNIFY CSC DEMTHRING
SHILLONG, MEGHALAYA

1. What are charts and Different Types of charts?

Ans: Charts are used to display series of numeric data in a graphical format to make it easier to understand quantities of data and the relationship between different series of data.

There are several different types of charts and graphs. The four most common are probably line, graphs, bar graphs and histograms, pie charts, and Cartesian graphs.

2. What are Pivot Tables in Excel and their implementation?

Ans: A Pivot Table is an interactive way to quickly summarize large amounts of data.

A Pivot Table is especially designed for:
Querying large amounts of data in many user-friendly ways.

3. What is conditional formatting? Distinguish 5 types of conditional formatting.

Ans: Conditional formatting makes it easy to highlight certain value or make particular cells easy to identify.

5 types of conditional formatting in Excel. These types are - Highlight cells Rule, Top and Bottom Rule, Data Bars, Color scales, and Icon Sets.

4. How to clear formatting in Excel without actually removing the cell content?

Ans: To clear only the formats that are applied to the selected cells, click clear formats. To clear only the contents in the selected cells, leaving any formats and comments in place, click clear contents. To clear any comments or notes that are attached to the selected cells, click clear comments and notes.

7. Define statistics?

Ans: Statistics is the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data. In applying statistics to a scientific, industrial, or social problem, it is conventional to begin with a statistical population or a statistical model to be studied. Populations can be diverse groups of people or objects such as "all people living in a country" or "every atom composing a crystal". Statistics deals with every aspect of data, including the planning of data collection in terms of the design of surveys and experiments.

8. Explain about any two Data Analysis Toolpak?

Ans: Excel's Data Analysis Toolpak performs calculations for many statistical tests. However, there are a few issues to be aware of. For example, when running an F-test or t-test, Excel's Data Analysis Toolpak requires that the data set with the largest variance be defined as variable 1.

9. Explain about Histogram?

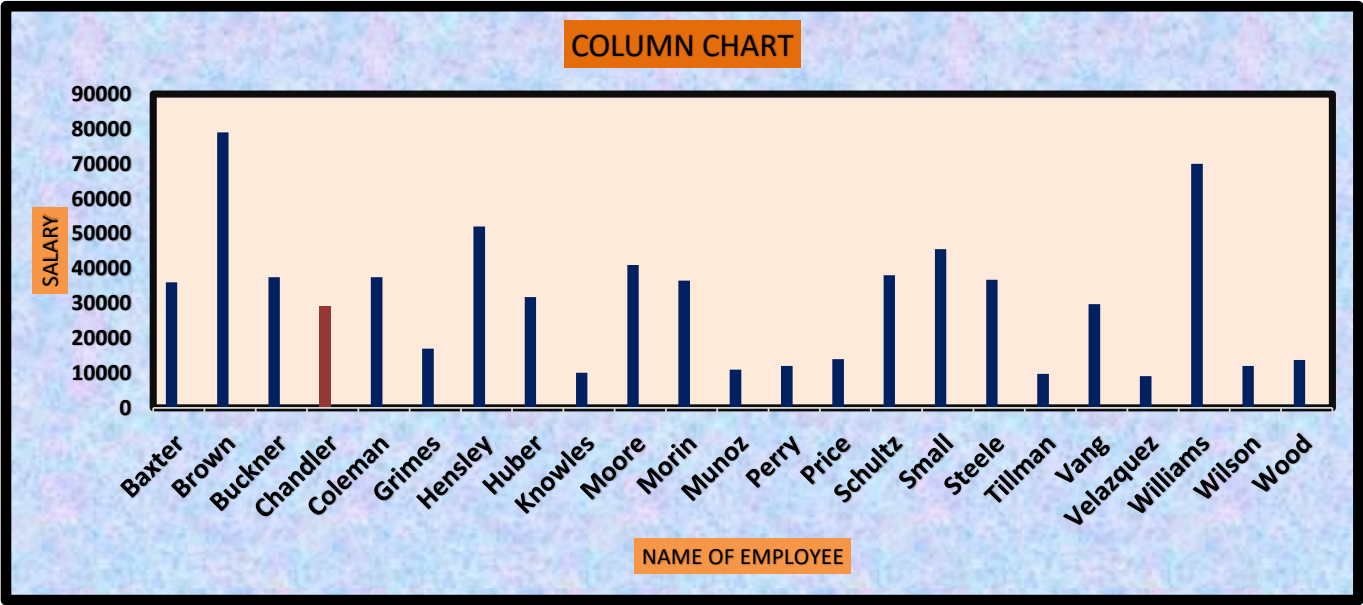
Ans: A histogram is a graph that shows the frequency of numerical data using rectangles. The height of a rectangle (the vertical axis) represents the distribution frequency of a variable (the amounts or how often that variable appears).

5) Create a Pivot Table and Chart for the Given Table?

Employees details

Name	Surname	Job	salary
Williams	Mary	Full Time	₹ 35,000.00
Brown	Carol	Full Time	₹39,000.00
Brown	Charles	Full Time	₹8,000.00
Chandler	Debra	Full Time	₹29,000.00
Coleman	Donald	Full Time	₹37,500.00
Grimes	Donna	Full Time	₹17,000.00
Huber	Frank	Full Time	₹31,750.00
Morin	Jason	Full Time	₹36,500.00
Munoz	Jennifer	Full Time	₹11,000.00
Perry	Jerry	Full Time	₹12,050.00
Price	Jessica	Full Time	₹14,000.00
Small	Joshua	Full Time	₹45,500.00
Vang	Marilyn	Full Time	₹29,750.00
Velazquez	Mary	Full Time	₹9,075.00
Williams	Matthew	Full Time	₹35,000.00
Wilson	Robert	Full Time	₹12,000.00
Baxter	Aaron	Part Time	₹36,000.00
Brown	Carlos	Part Time	₹32,000.00
Buckner	Daniel	Part Time	₹37,500.00
Hensley	Elizabeth	Part Time	₹52,000.00
Knowles	Gary	Part Time	₹10,050.00
Moore	George	Part Time	₹41,000.00
Schultz	Jose	Part Time	₹38,050.00
Steele	Kathleen	Part Time	₹36,750.00
Tillman	Lisa	Part Time	₹9,750.00
Wood	Ruth	Part Time	₹13,750.00

Row Labels	Sum of salary	Count of salary2
Baxter	36000	1
Brown	79000	3
Buckner	37500	1
Chandler	29000	1
Coleman	37500	1
Grimes	17000	1
Hensley	52000	1
Huber	31750	1
Knowles	10050	1
Moore	41000	1
Morin	36500	1
Munoz	11000	1
Perry	12050	1
Price	14000	1
Schultz	38050	1
Small	45500	1
Steele	36750	1
Tillman	9750	1
Vang	29750	1
Velazquez	9075	1
Williams	70000	2
Wilson	12000	1
Wood	13750	1
Grand Total	708975	26



Q6. Create a Dashboard for the attached Excel Sheet.

