

FINAL ASSESSMENT ON DATA SCIENCE WITH EXCEL

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① what are chart and different type of charts?

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

different type of charts:

- ① Pie chart
- ② Bar chart
- ③ Line graph
- ④ Area chart
- ⑤ Bubble chart

~~⑥ Scatter plot~~
~~⑦ Stacked bar chart~~
~~⑧ Waterfall chart~~

② what are pivot tables in excel and their implementation.
 Ans: A Pivot table is one of the basic data analysis tools. Pivot tables can quickly answer many important business questions.

A pivot table is used to summarise, sort, reorganise, group, count, total or average data stored in a table.

③ what is conditional formatting. Distinguish 5 types of conditional formatting.

Ans: Conditional Formatting in excel enables you to fill the cells with certain color depending on the condition. It is an excellent way to visualise data in a spreadsheet. You can create rules with your own custom formulas.

On this article you will see five different types of conditional formatting in excel.

Highlight cells Rules -

Top and Bottom Rules

Data Bars

Color Scales

Icon set .

④ How to clear formatting in excel without removing the cell content?

Ans To clear only the format that are applied to the selected cell, click clear Format . To clear only the contents in the selected cells, leaving only Format and comment in place, click clear content . To clear any comment or notes that are attached to the selected cells, click clear comments and notes .

⑦ Define statistic ?

Ans Statistic is simply defined as the study and manipulation of data . As we have already discussed in the introduction that statistic deals with the analysis and computation of numerical data .

⑧ Explain about any two Data Analysis tool Pak .

Ans. The two Data Analysis tool Pak are :-

① Histogram : Histogram tool allows the user to create data distribution and histogram charts .

⑧ correlation: correlation determines the degree to which two paired variables are in paired variables relationship to each other.

⑨ explain Histogram:

Ans: A histogram is a graph used to represent the frequency distribution of a few data points of one variable.

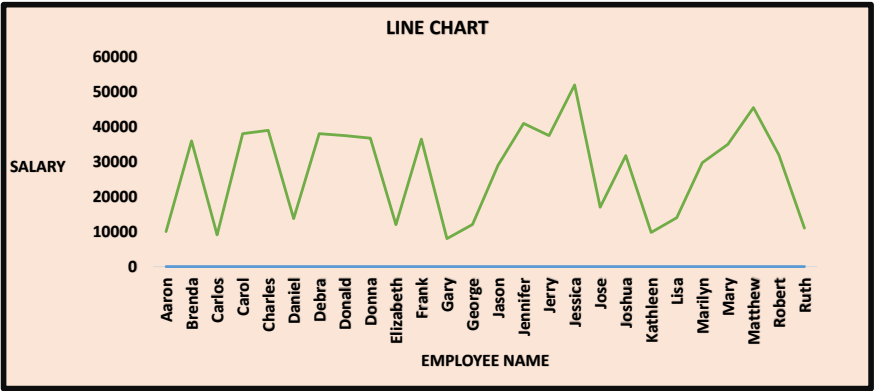
Histogram, often classify data into various "bins" or range groups, and count how many data point belong to each of those bins.

The Histogram was invented by Karl Pearson an English Mathematician.

Q 5. Create a Pivot Table and Chart for the Given Table

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

Row Labels	Sum of SALARY	Count of SALARY2
Aaron	₹ 10,050.00	1
Brenda	₹ 36,000.00	1
Carlos	₹ 9,075.00	1
Carol	₹ 38,050.00	1
Charles	₹ 39,000.00	1
Daniel	₹ 13,750.00	1
Debra	₹ 38,050.00	1
Donald	₹ 37,500.00	1
Donna	₹ 36,750.00	1
Elizabeth	₹ 12,000.00	1
Frank	₹ 36,500.00	1
Gary	₹ 8,000.00	1
George	₹ 12,050.00	1
Jason	₹ 29,000.00	1
Jennifer	₹ 41,000.00	1
Jerry	₹ 37,500.00	1
Jessica	₹ 52,000.00	1
Jose	₹ 17,000.00	1
Joshua	₹ 31,750.00	1
Kathleen	₹ 9,750.00	1
Lisa	₹ 14,000.00	1
Marilyn	₹ 29,750.00	1
Mary	₹ 35,000.00	1
Matthew	₹ 45,500.00	1
Robert	₹ 32,000.00	1
Ruth	₹ 11,000.00	1
Grand Total	₹ 7,12,025.00	26



Q6. CREATE A DASHBOARD FOR THE ATTACHED EXCEL SHEET.

