# TENTH PROGRAM

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Editing and formatting axes

Whenever we add continuous field to column or Row shelf automatically it display axis in the view.

→ Axis shows the data points that lies within a Range of values.

→ for each axis we can specify range, scale and tick marks, Axis title and subtitle.

→ If we add Discrete date on Row shelf we didn't see the axis. If we changed from Discrete to continuous date we will see the axis in view.

→ Right click on axis → Edit axis. it will show

General

Range

- ○ Automatic
- ○ uniform axis range for all rows or columns
- ○ independent axis range for each row or column.
- ○ custom

Fixed start ▽ 400,000

Fixed end ▽ 800,000

Scale

- ☐ Reversed
- ☐ Logarithmic

Axis Titles

Title SALES

Subtitles

Tick Marks

☐ Include zero

☐ Automatic.

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If you enable include zero checkbox you can see range from zero.
If you enable checkbox of Automatic, it will not show subtitle.

Tick Marks
Major Tick Marks
- ○ Automatic
- ⊙ Fixed
- ○ None

Tick origin
○

Tick interval
100,000

Minor Tick Marks
- ○ Automatic
- ⊙ Fixed
- ○ None

Tick origin
○

Tick interval
10,000

Format: Right click on Axis → Select Format Axis

Default
- Font
- Shading

Scale
- Ticks
- Alignment

Title
- font

Pane
Default
- Font
- Alignment

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## Manipulating data in tableau

→ Data manipulation is done at the metadata level.
→ These changes are not reflected in the original file.
→ Data type can be changed.
→ we can hide and unhide columns.
→ we can split and custom split the column data.
→ we can sort the column headers and columns Data.
→ we can Rename and Reset the column headers
→ we can copy the values
→ we can create calculated fields.
→ we can create Groups and describe columns.
→ we can create pivot tables

### Tableau Data types

- # Number (decimal) Data type
- # Number (whole) Data type
- Date Data type
- Date & Time Data type.
- T/F Boolean Data type.
- Geographic Data type.

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## Pivoting Tableau Data:

Pivoting means changes the structure of your Data from wide range to tall. by turning columns to rows.

ex:

| Name | Age | city | SFCS | DLDCO | SDE | OOPS | DBMS |
|---|---|---|---|---|---|---|---|
| MAHI | 18 | REPALLE | 90 | 95 | 85 | 95 | 99 |
| DHONI | 19 | RANCHI | 95 | 85 | 95 | 90 | 86 |
| KOHLI | 20 | DELHI | 95 | 85 | 95 | 60 | 66 |

After pivoting the table looks like below.

| Name | Age | city | subjects Names | Marks |
|---|---|---|---|---|
| MAHI | 18 | REPALLE | DBMS | 99 |
| MAHI | 18 | REPALLE | DLDCO | 95 |
| MAHI | 18 | REPALLE | OOPS | 95 |
| MAHI | 18 | REPALLE | SDE | 85 |
| MAHI | 18 | REPALLE | SFCS | 90 |
| DHONI | 19 | RANCHI | DBMS | 86 |
| DHONI | 19 | RANCHI | DLDCO | 85 |
| DHONI | 19 | RANCHI | OOPS | 90 |
| DHONI | 19 | RANCHI | SDE | 95 |
| DHONI | 19 | RANCHI | SFCS | 95 |
| KOHLI | 20 | DELHI | DBMS | 66 |
| KOHLI | 20 | DELHI | DLDCO | 85 |
| KOHLI | 20 | DELHI | OOPS | 60 |
| KOHLI | 20 | DELHI | SDE | 95 |
| KOHLI | 20 | DELHI | SFCS | 95 |