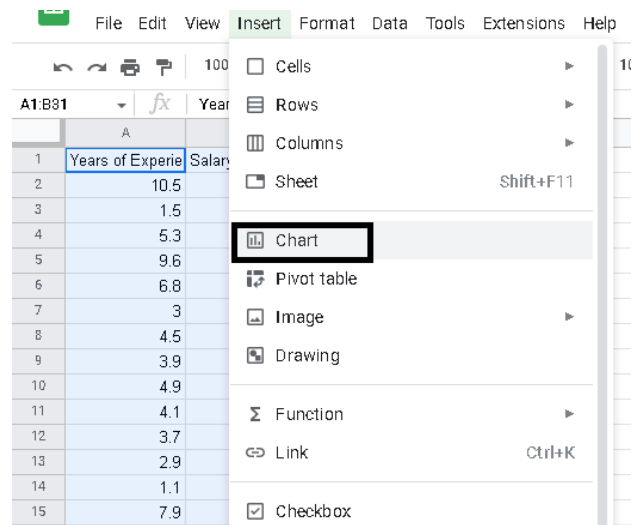


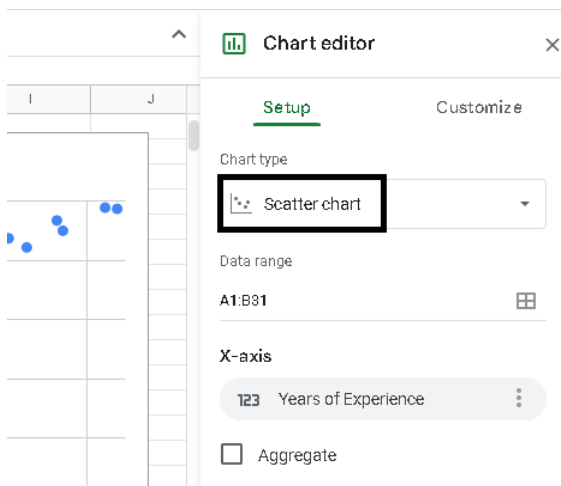
### Creating a Scatter Plot

1. Open the Google Sheet containing the paired data or create a new Google Sheet and input the data.
2. Select the columns containing the data you would like to plot and click “Chart” in the Insert menu.

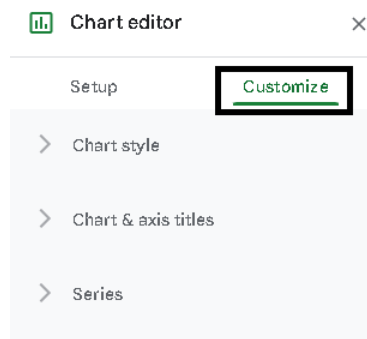
	A	B	C	D
1	Years of Experie	Salary		
2	10.5	121872		
3	1.5	37731		
4	5.3	83088		
5	9.6	112635		
6	6.8	91738		
7	3	60150		
8	4.5	61111		
9	3.9	63218		
10	4.9	67938		
11	4.1	57081		
12	3.7	57189		
13	2.9	56642		
14	1.1	39343		
15	7.9	101302		
16	3.2	54445		
17	8.2	113812		



3. Once the chart and “chart editor” side panel appear on the sheet, select “Scatter chart” from the drop down menu if not already selected.



4. Axis labels, scales, and other features of the plot can be altered by accessing the “Customize” tab on the “chart editor” side panel.



## Inserting a Trendline into a Scatter Plot

Toggle the “chart editor” side panel to the “Customize” tab. Under the “Series” sub-menu, select “Trendline”.

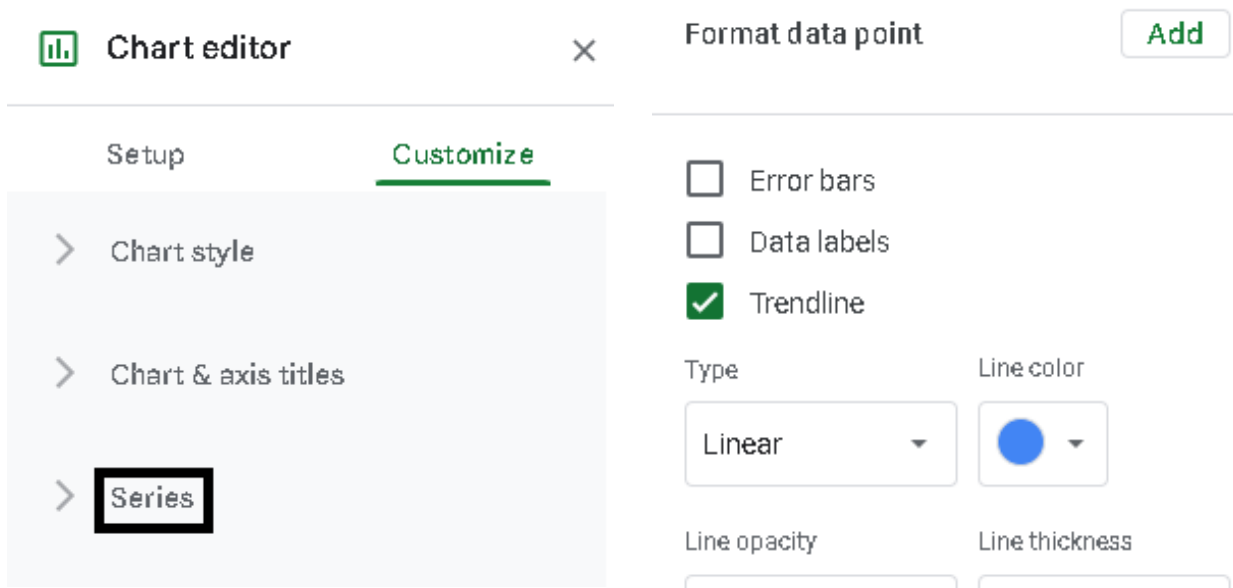


Chart editor × Format data point Add

Setup Customize

> Chart style

> Chart & axis titles

> **Series**

Error bars

Data labels

Trendline

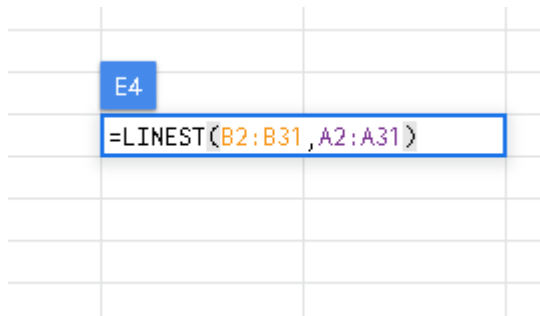
Type Line color

Linear

Line opacity Line thickness

## Calculating the Line of Best Fit (via Least-Squares)

1. Select an empty cell and type “=LINEST(B2:B31,A2:A31)” where B2:B31 is the response variable and A2:A31 is the explanatory variable.



2. Press “enter” and the sheet will populate two numbers; the first is the y-intercept and the second is the slope of the line of best fit.

9449.962321	25792.2002
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