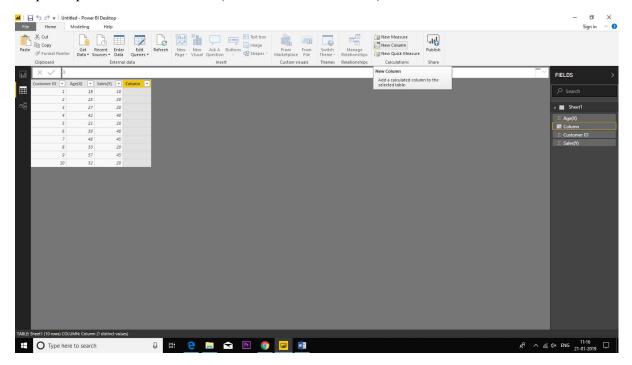
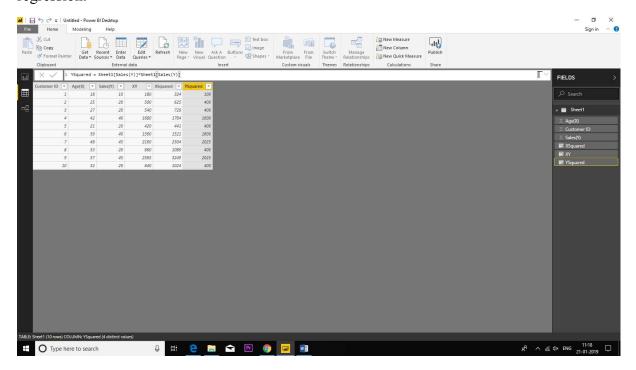
Practical 9: Perform Linear Regression on given data warehouse data.

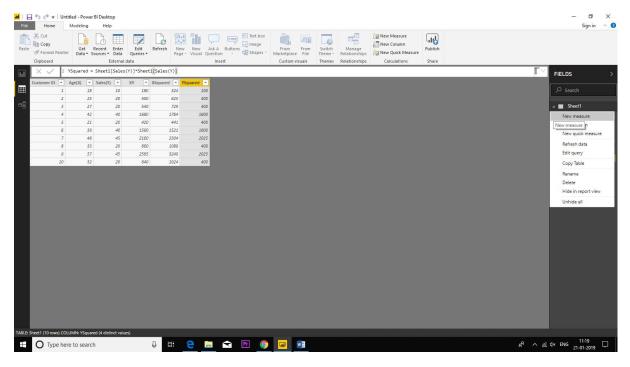
Step 1: Open data in Power BI. (Get Data→Excel→Edit).



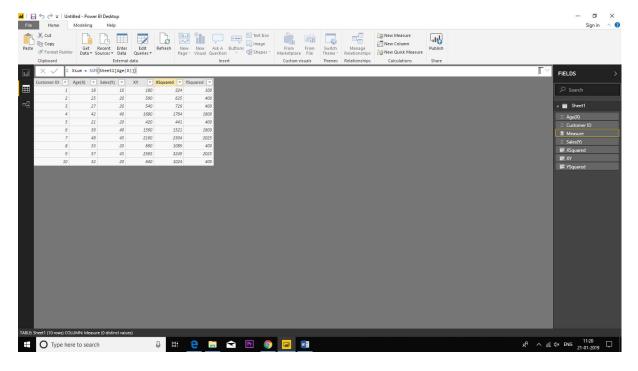
Step 2 : Add more columns as per formula of XY, XSquare, YSquare. For performing linear regression.



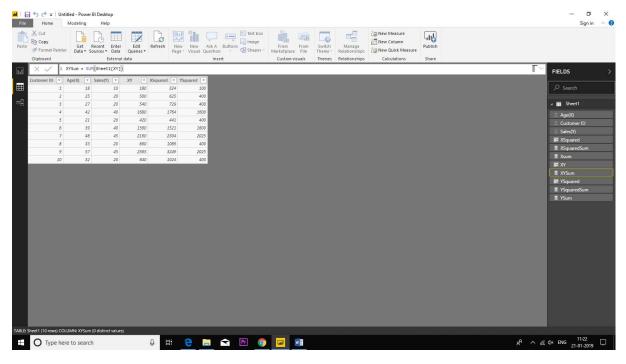
Step 3 : Right click on Fields→Sheet and add a new measure. Which may act as some constant values



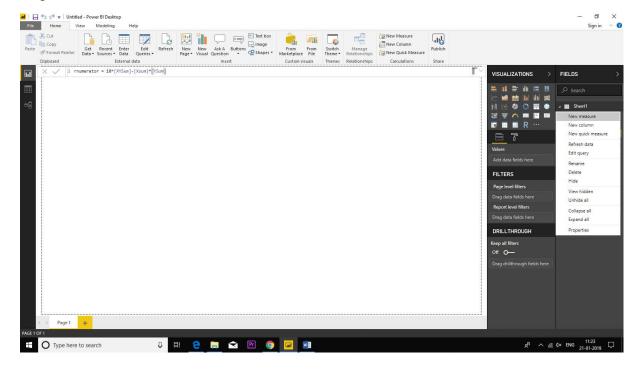
Step 4 : Calculate XSum.



Step 5 : Calculate XYSum.

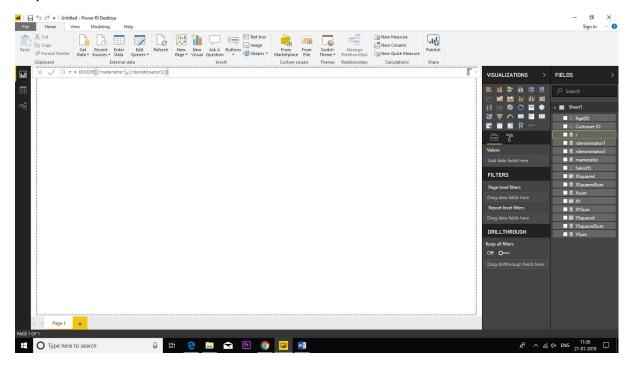


Step 6 : Calculate rnumerator.

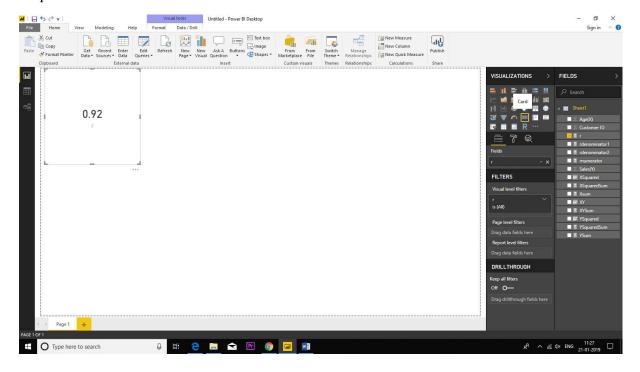


Business Intelligence

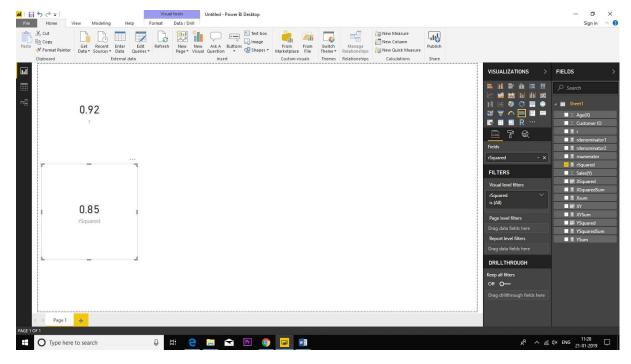
Step 7 : Calculate r.



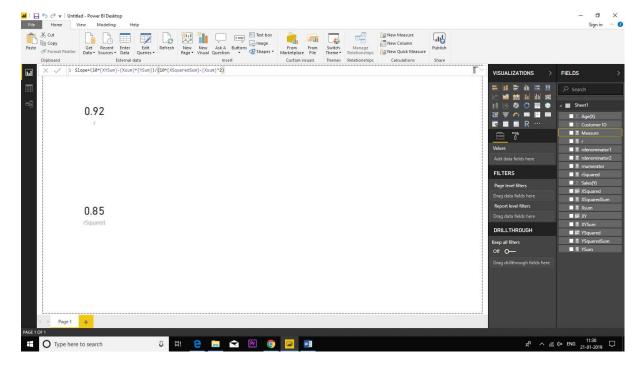
Step 8: Select the Card Visualizations to view calculated results.



Business Intelligence

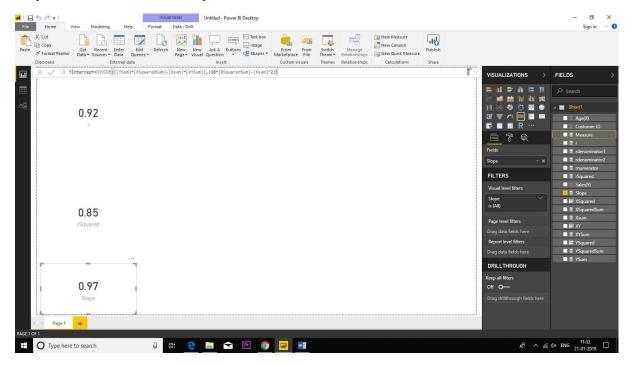


Step 9: Calculate Slope.

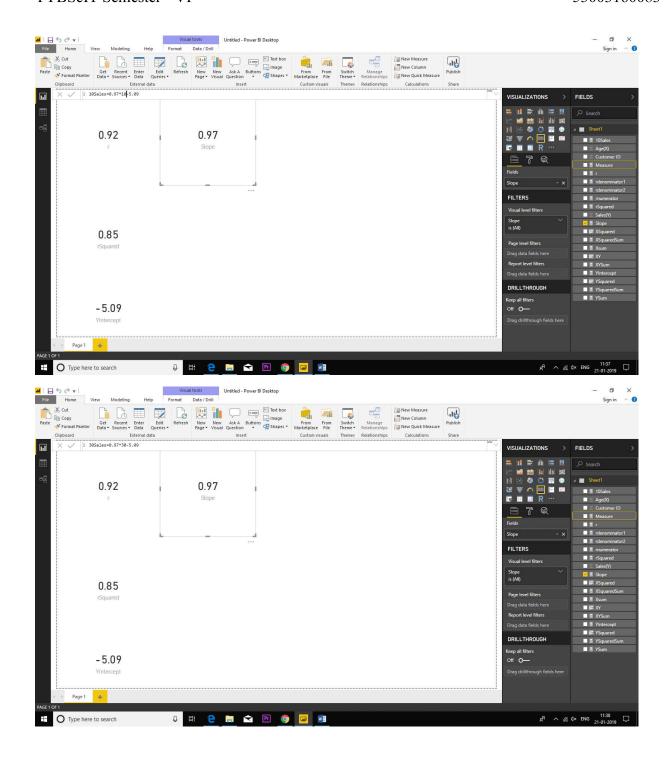


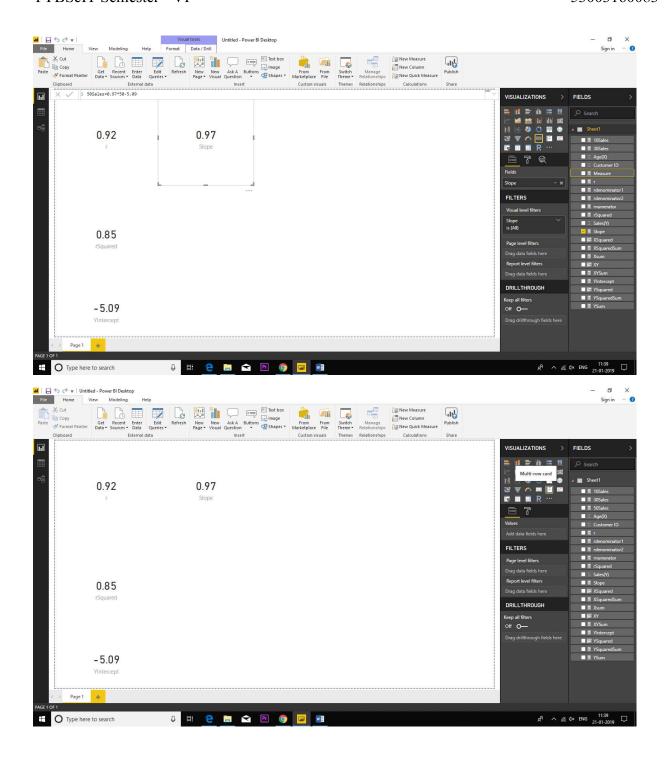
Business Intelligence

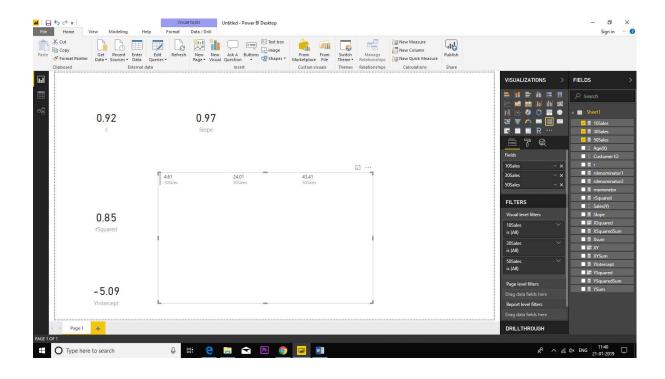
Step 10: Calculate Y-Intercept.



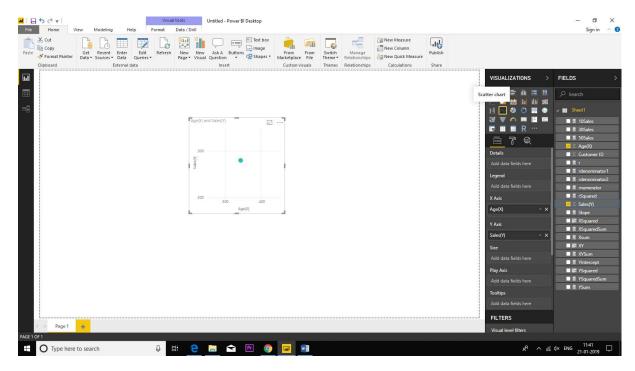
Step 11: Use the Formula to Calculate the Linear Regression when Sales will be 10,30 and 50.



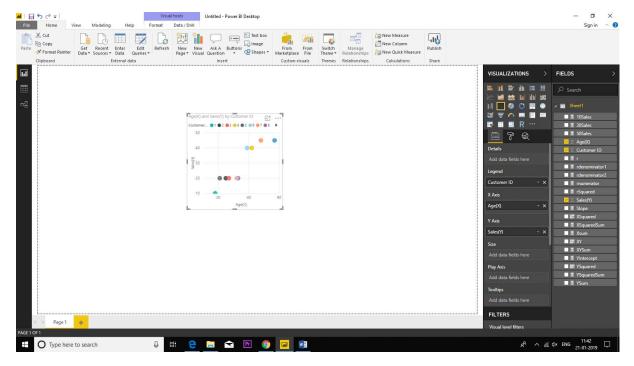




Step 12: Select Scatter Chart from Visualizations.



Step 13: Add Legend as Customer ID, X axis as Age and Y axis as Sales.



Step 14: Select Trend Line to see the graph.

