Data Analyst BootCamp

Tableau

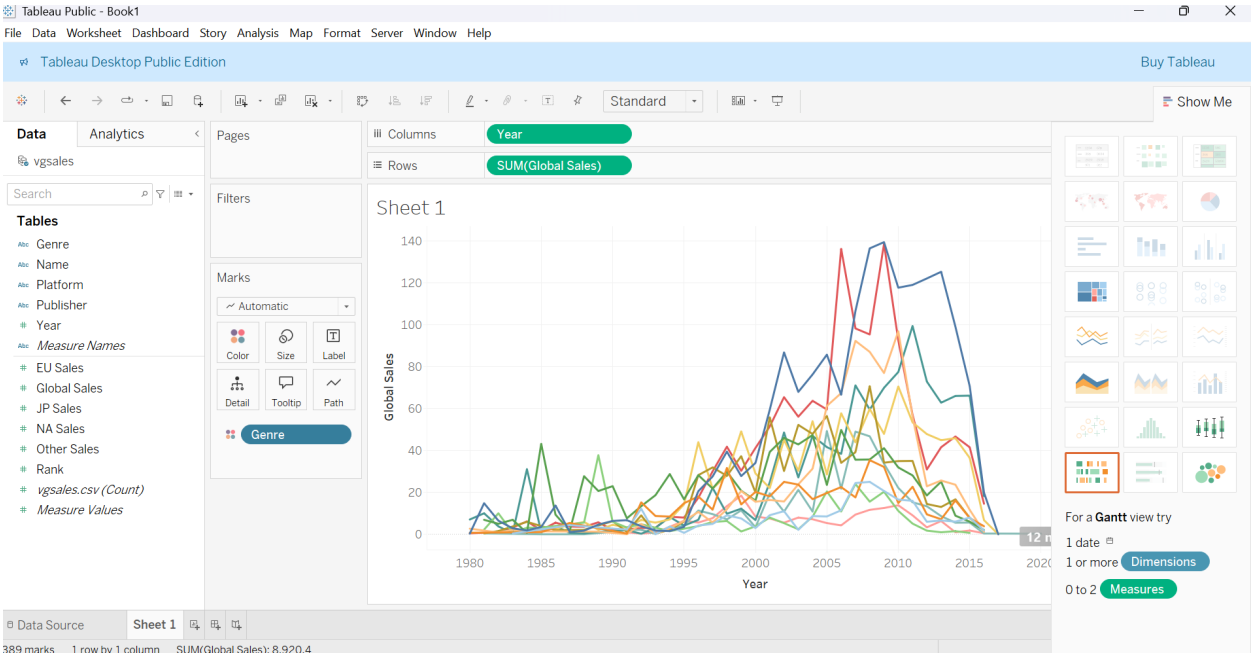
download tableau:Link to download

Kaggle dataset:Dataset Link

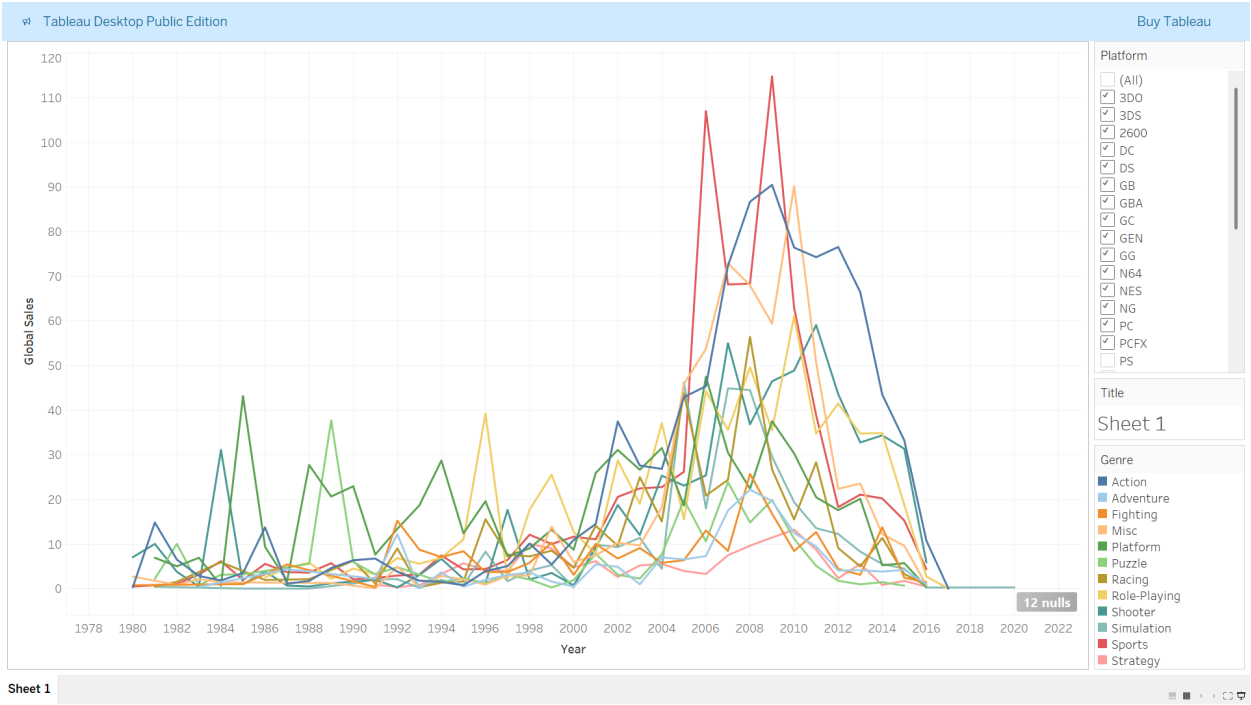
now open kaggle

open text document and open that csv file which u downloaded

down sheet→ click on worksheet

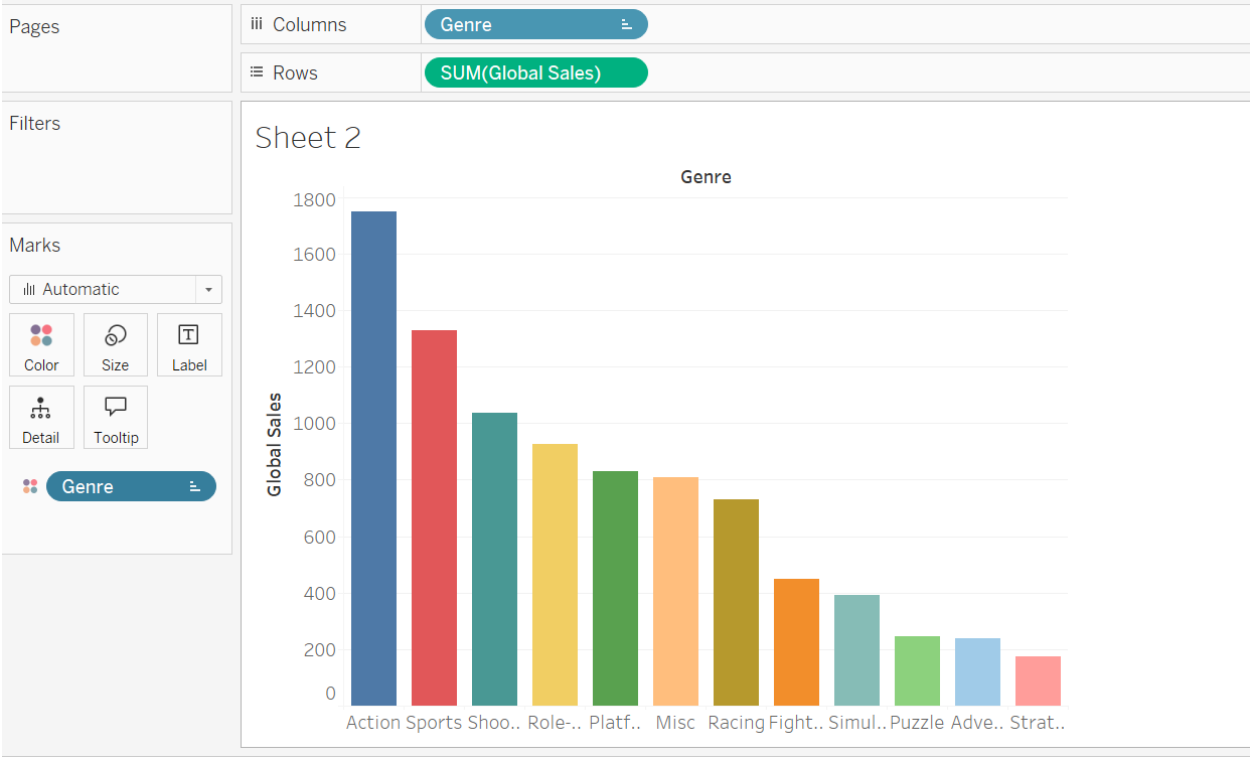


select data from side and put into rows/cols as per ur wish we put genre into marks and beside genre there is color option we used it



add filter and choose accordingly as per work required

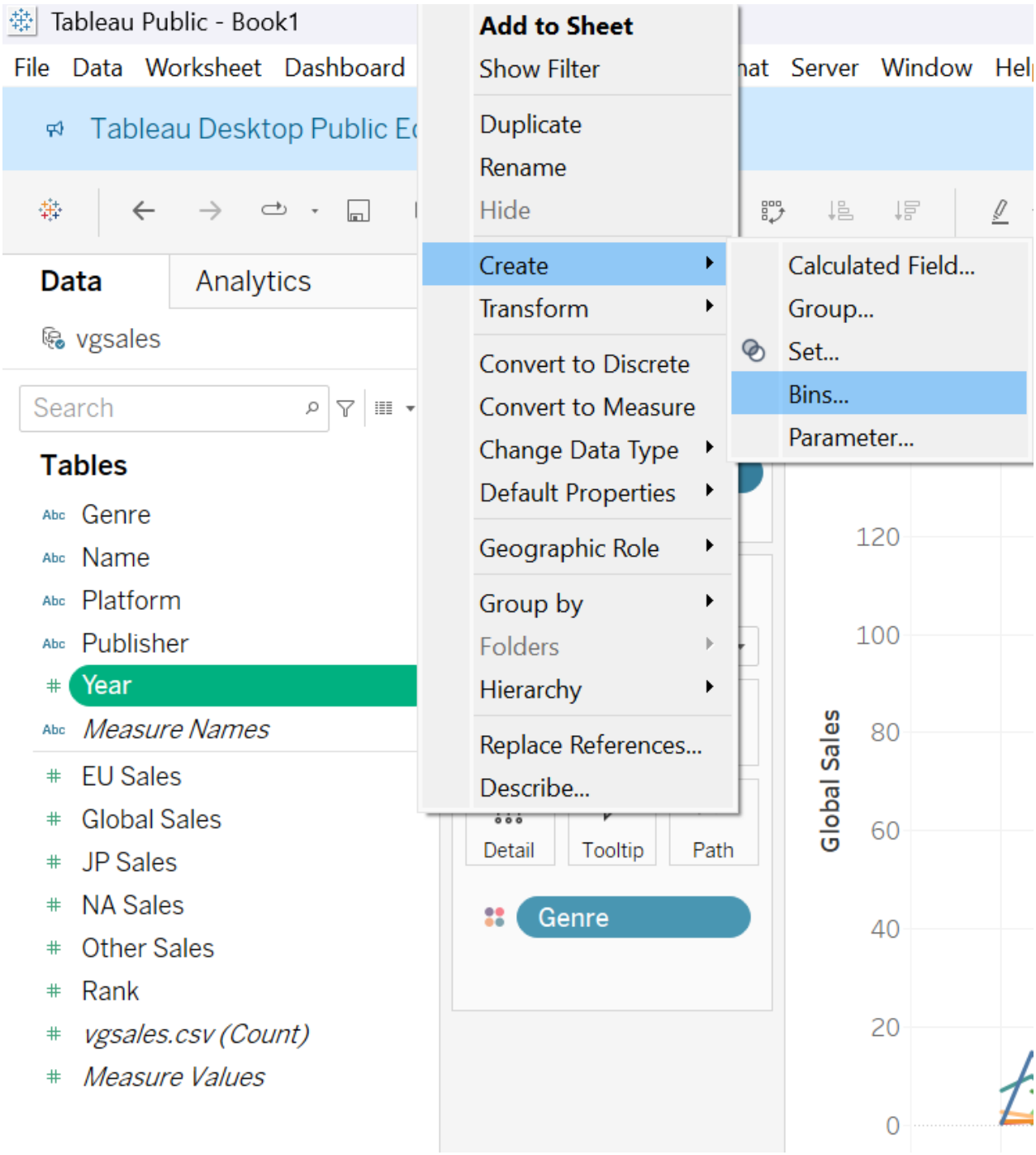
create a new worksheet and add desceding order/ascending order option there on top

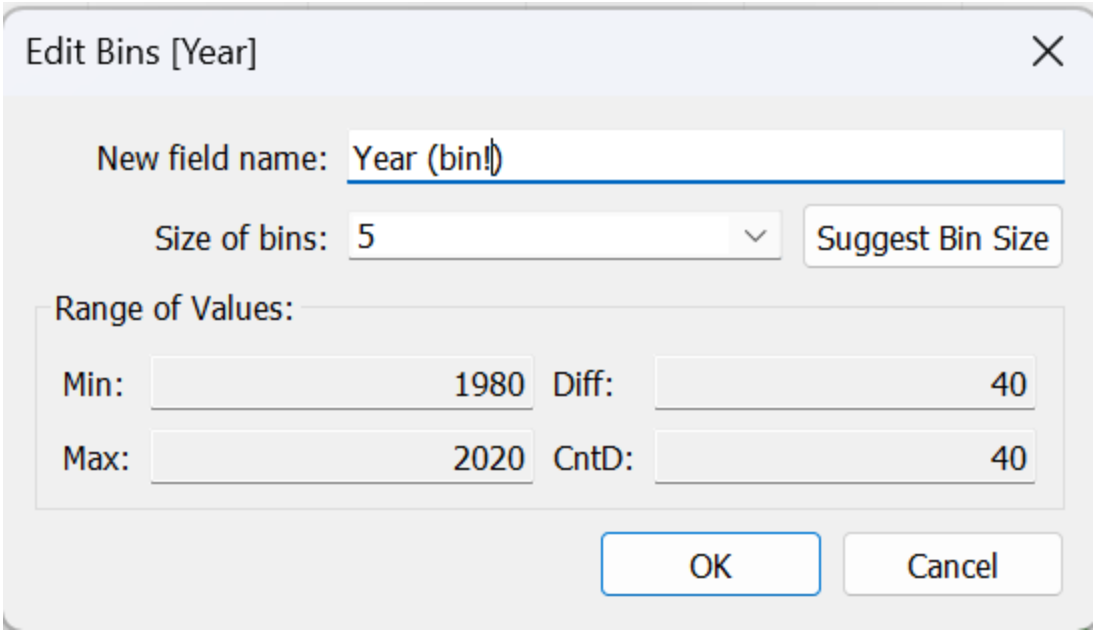


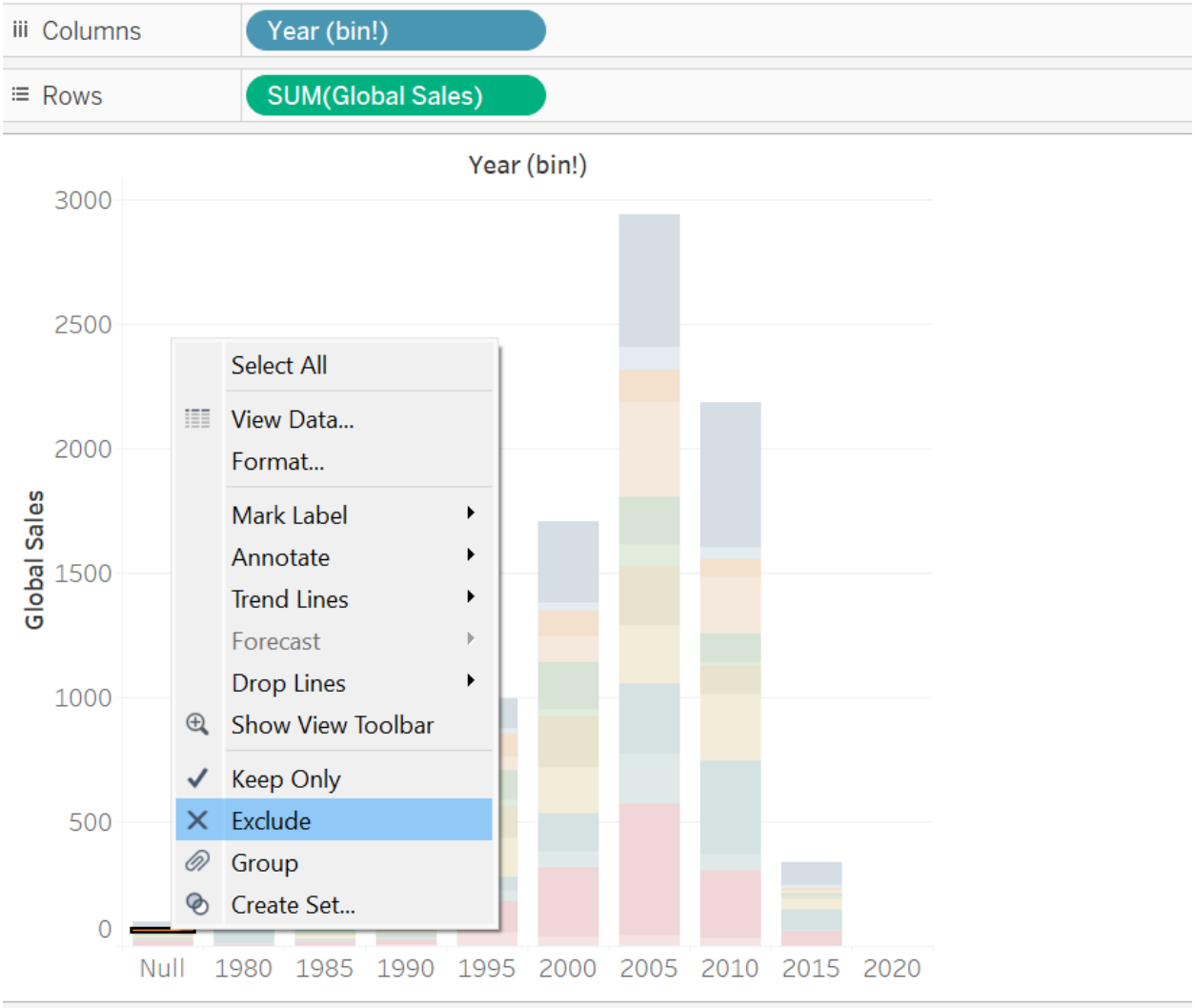
click on dashboard down and act accordingly

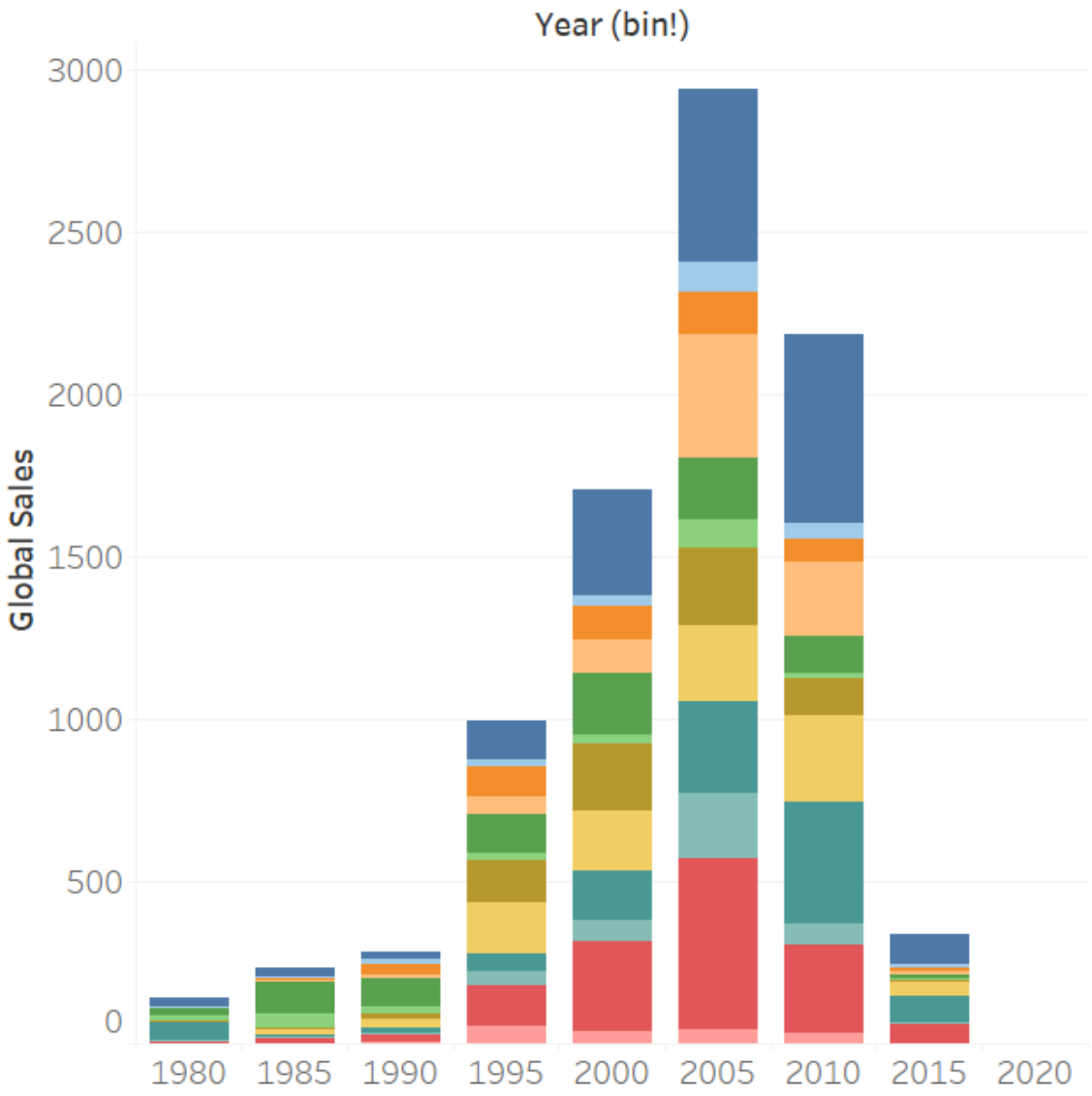
usage of calculated fields and bins in Tableau

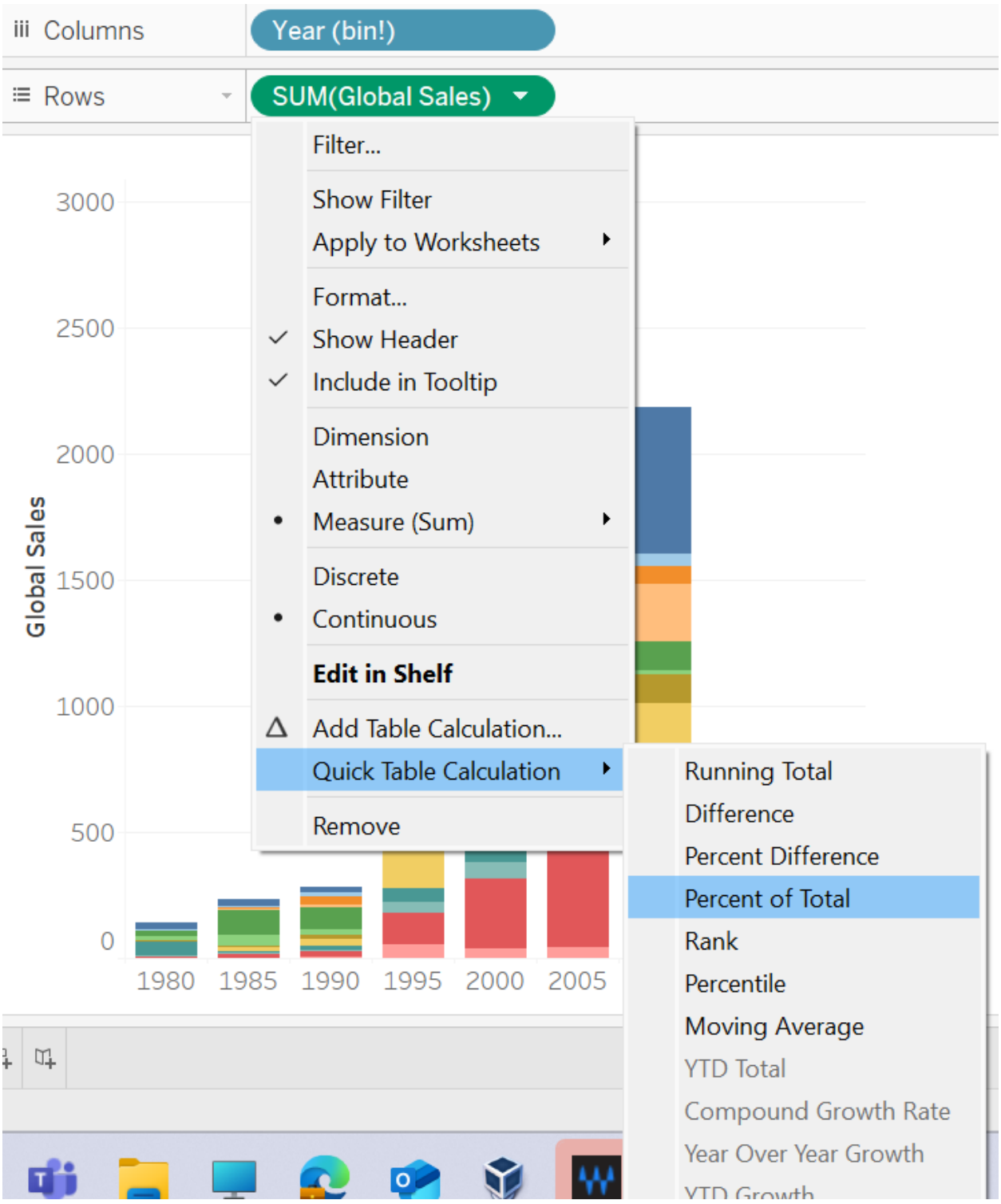
Bins: groupings and creating ranges

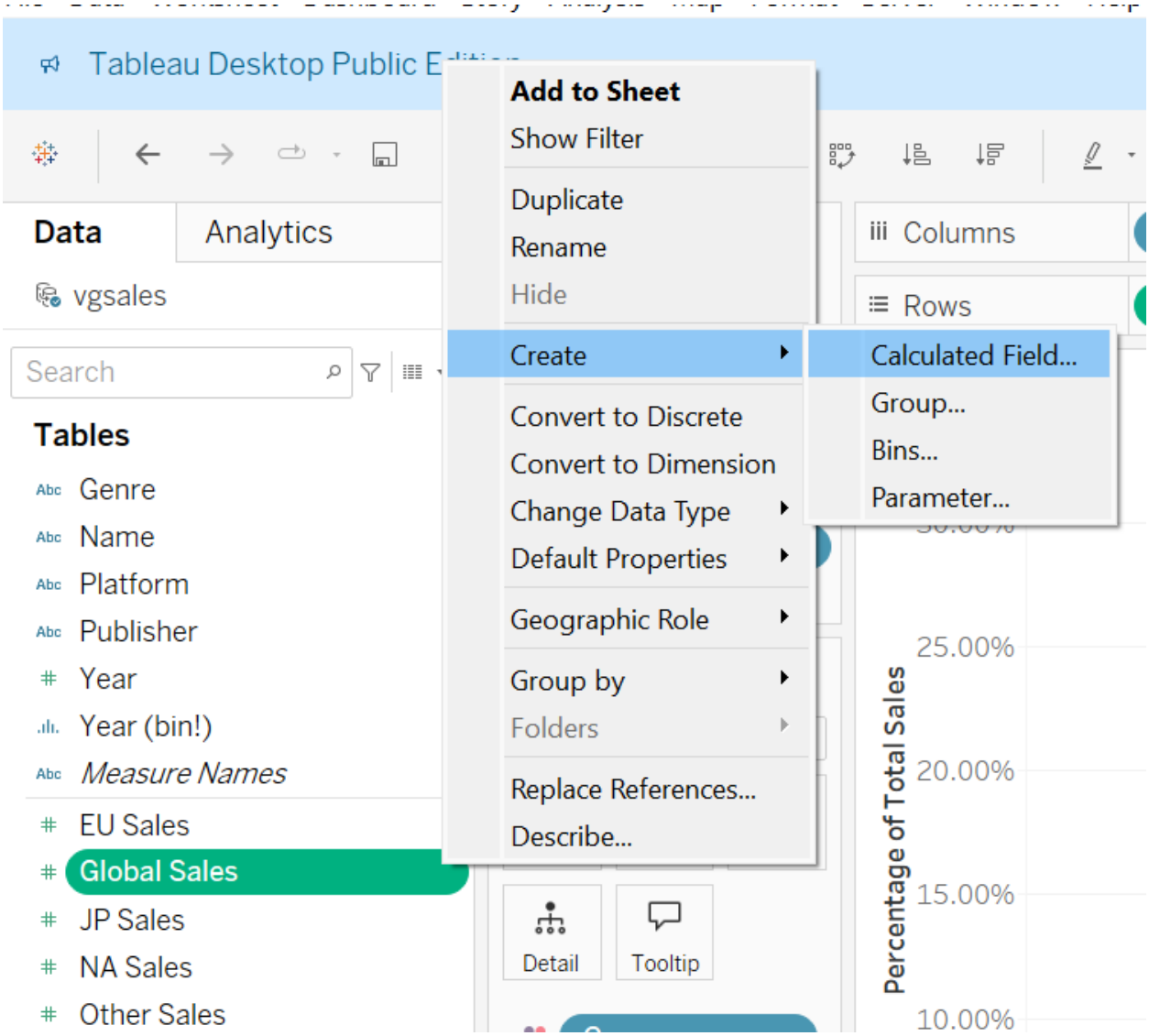



Edit Bins [Year]
New field name:
Year (bin!)
Size of bins:
5
Suggest Bin Size
Range of Values:
Min:
1980
Diff:
40
Max:
2020
CntD:
40
OK
Cancel


Columns
Year (bin!)
Rows
SUM(Global Sales)
Year (bin!)
Global Sales
3000
2500
2000
1500
1000
500
0
Null
1980
1985
1990
1995
2000
2005
2010
2015
2020
Select All
View Data...
Format...
Mark Label
Annotate
Trend Lines
Forecast
Drop Lines
Show View Toolbar
Keep Only
Exclude
Group
Create Set...


Year (bin!)
Global Sales
3000
2500
2000
1500
1000
500
0
1980
1985
1990
1995
2000
2005
2010
2015
2020

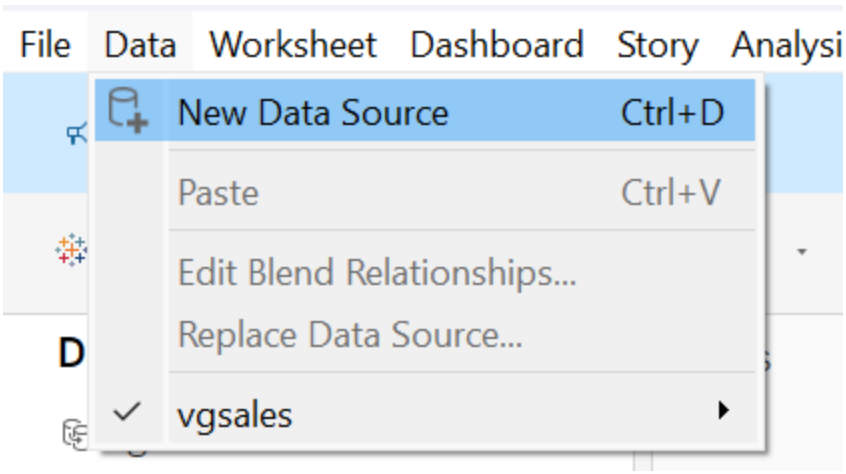

Columns
Year (bin!)
Rows
SUM(Global Sales)
Filter...
Show Filter
Apply to Worksheets
Format...
Show Header
Include in Tooltip
Dimension
Attribute
Measure (Sum)
Discrete
Continuous
Edit in Shelf
Add Table Calculation...
Quick Table Calculation
Remove
Running Total
Difference
Percent Difference
Percent of Total
Rank
Percentile
Moving Average
YTD Total
Compound Growth Rate
Year Over Year Growth
YTD Growth
Global Sales
3000
2500
2000
1500
1000
500
0
1980
1985
1990
1995
2000
2005

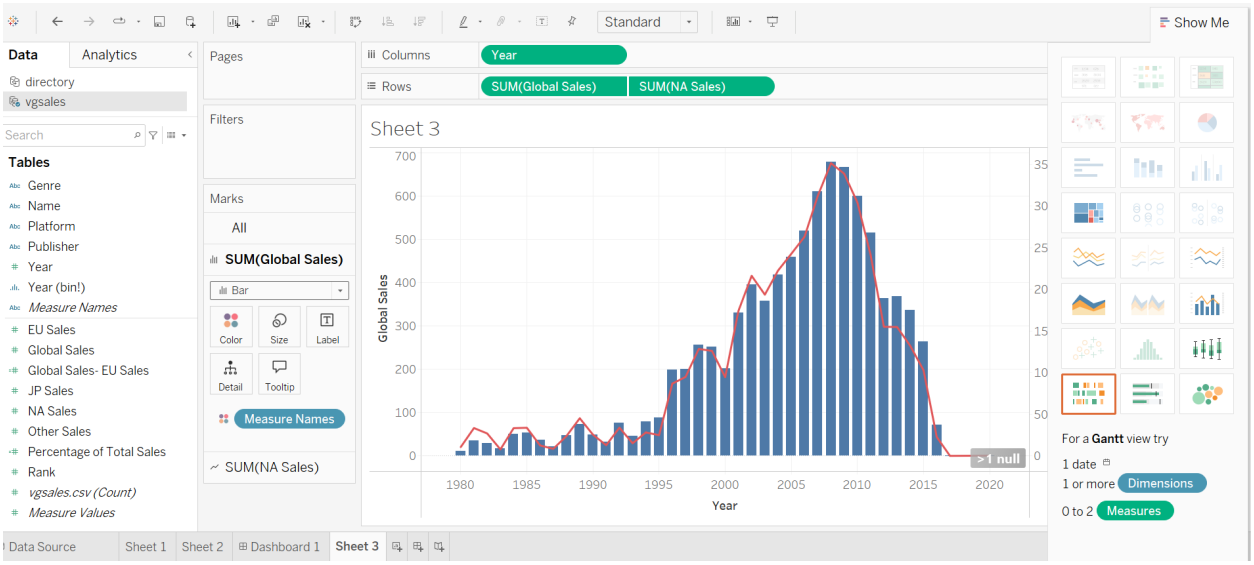


in calculate field do anything u want and work on it

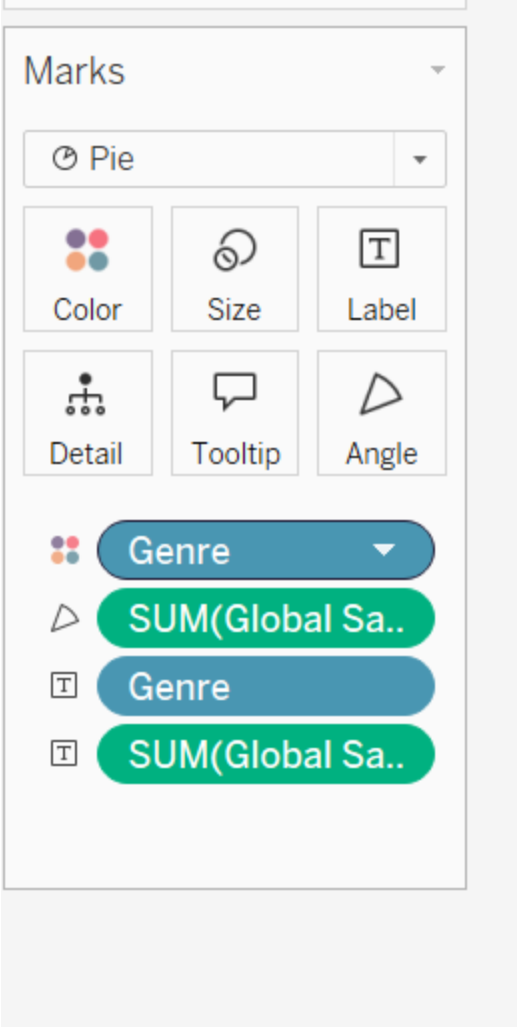
Create Visualizations:

dealing with diff data so create a new worksheet and then do this



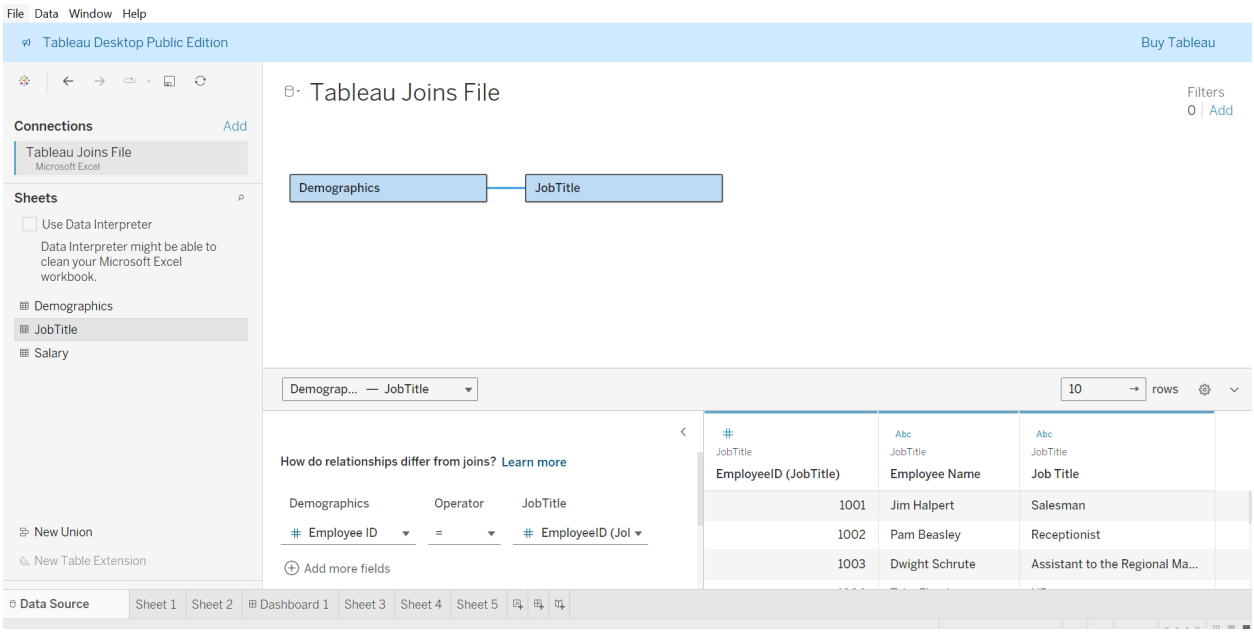


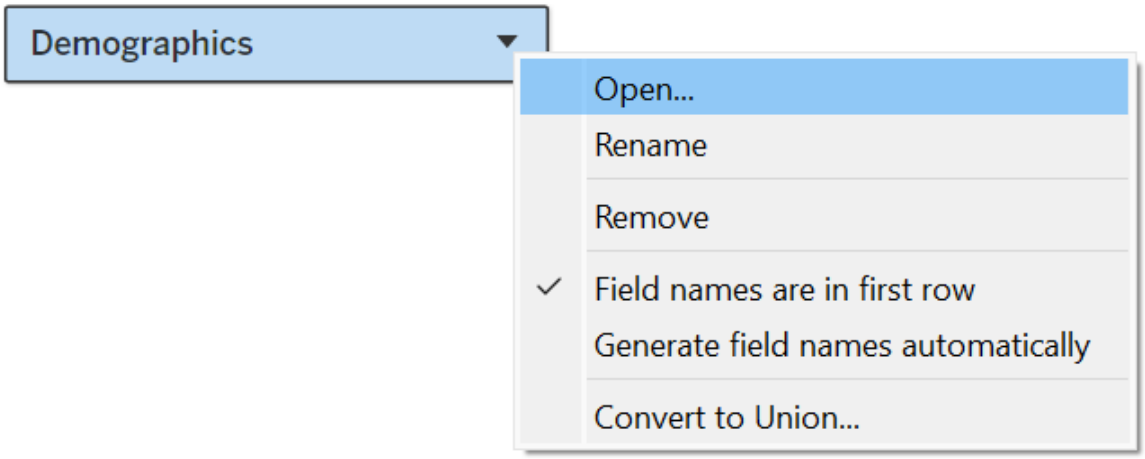
select graph and work accordingly in terms of color graph what do u want like that

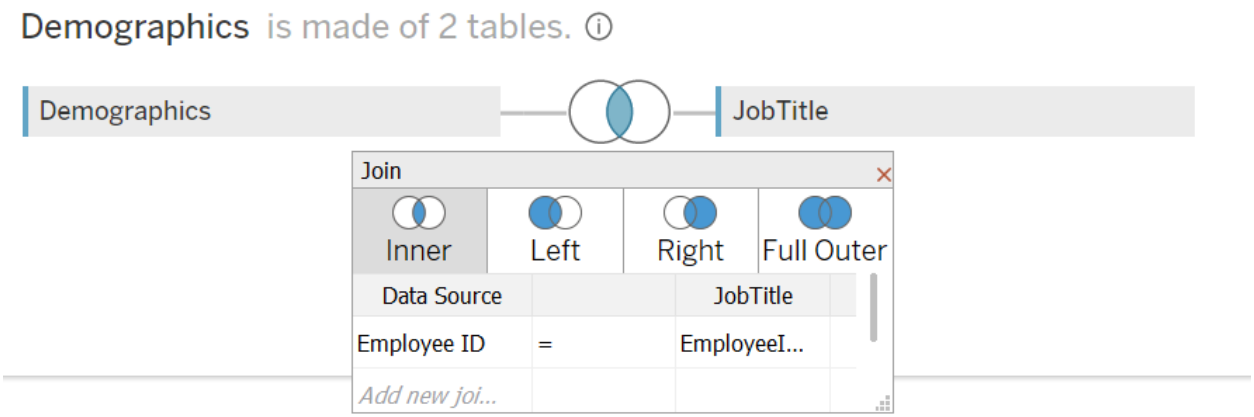


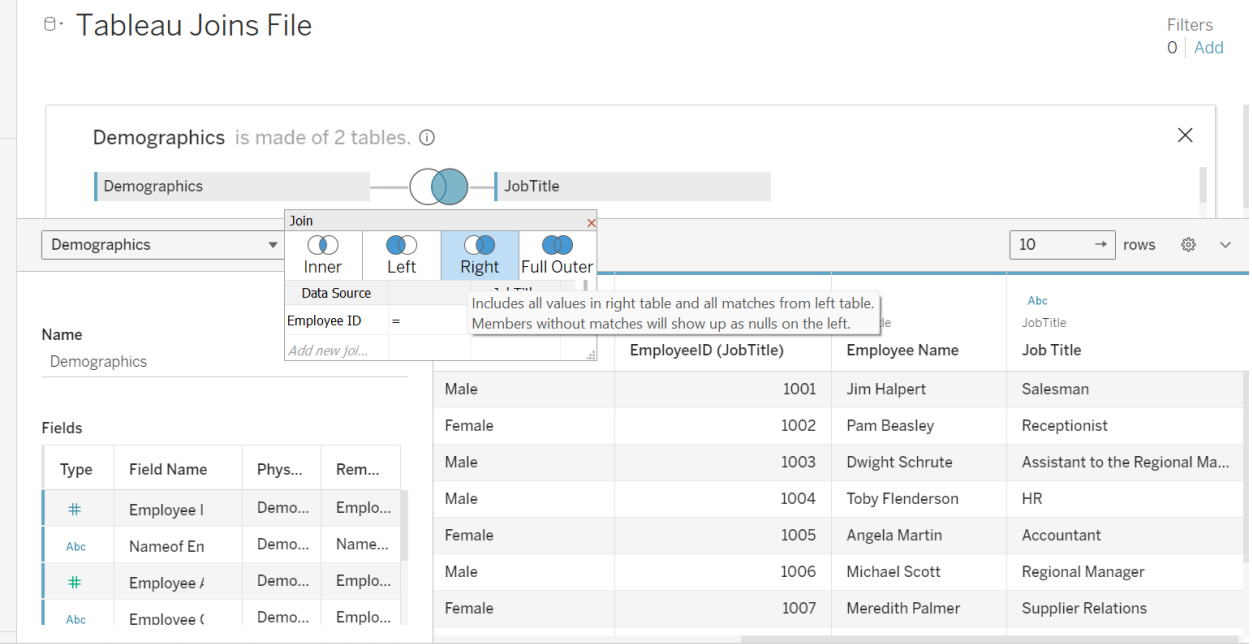
add here and choose graph and click on left and click on label to get the label

Joins in Tableau:


File Data Window Help
Tableau Desktop Public Edition
Buy Tableau
Tableau Joins File
Filters
0 | Add
Connections
Add
Tableau Joins File
Microsoft Excel
Sheets
Use Data Interpreter
Data Interpreter might be able to clean your Microsoft Excel workbook.
Demographics
JobTitle
Salary
Demographics
JobTitle
Demograp... — JobTitle
10
rows
How do relationships differ from joins? Learn more
Demographics
Operator
JobTitle
Employee ID
=
EmployeeID (Jol
Add more fields
New Union
New Table Extension
JobTitle
EmployeeID (JobTitle)
JobTitle
Employee Name
JobTitle
Job Title
1001
Jim Halpert
Salesman
1002
Pam Beasley
Receptionist
1003
Dwight Schrute
Assistant to the Regional Ma...
Data Source
Sheet 1
Sheet 2
Dashboard 1
Sheet 3
Sheet 4
Sheet 5


Demographics
Open...
Rename
Remove
Field names are in first row
Generate field names automatically
Convert to Union...


Demographics is made of 2 tables.
Demographics
JobTitle
Join
Inner
Left
Right
Full Outer
Data Source
JobTitle
Employee ID
=
EmployeeI...
Add new joi...



u can do inner join,left join,right join, full outer join based on requirement

and also u can change based on employee id, employee name u should join and also u can do = or ≤ or ≥ instead of = always

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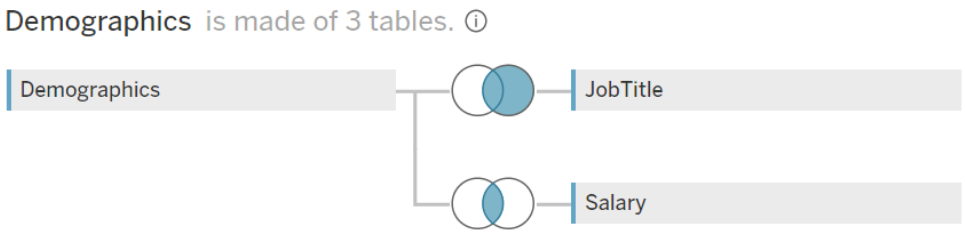
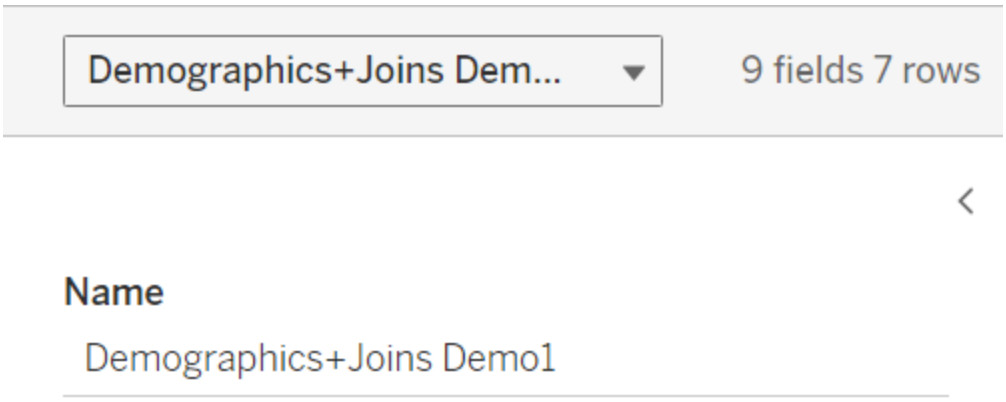
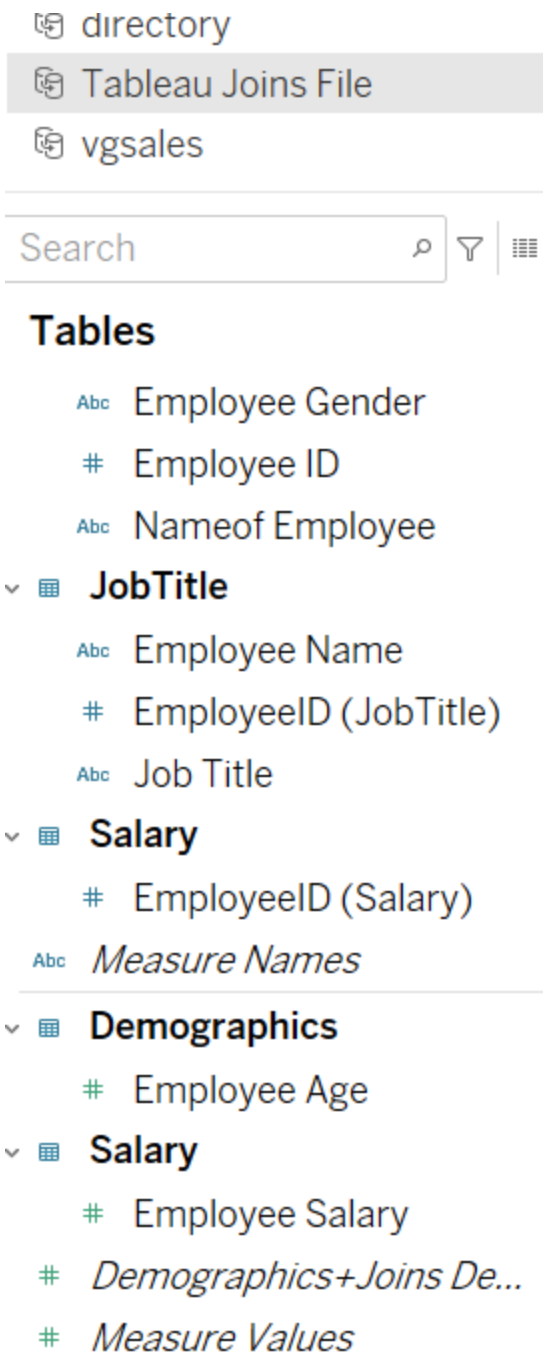


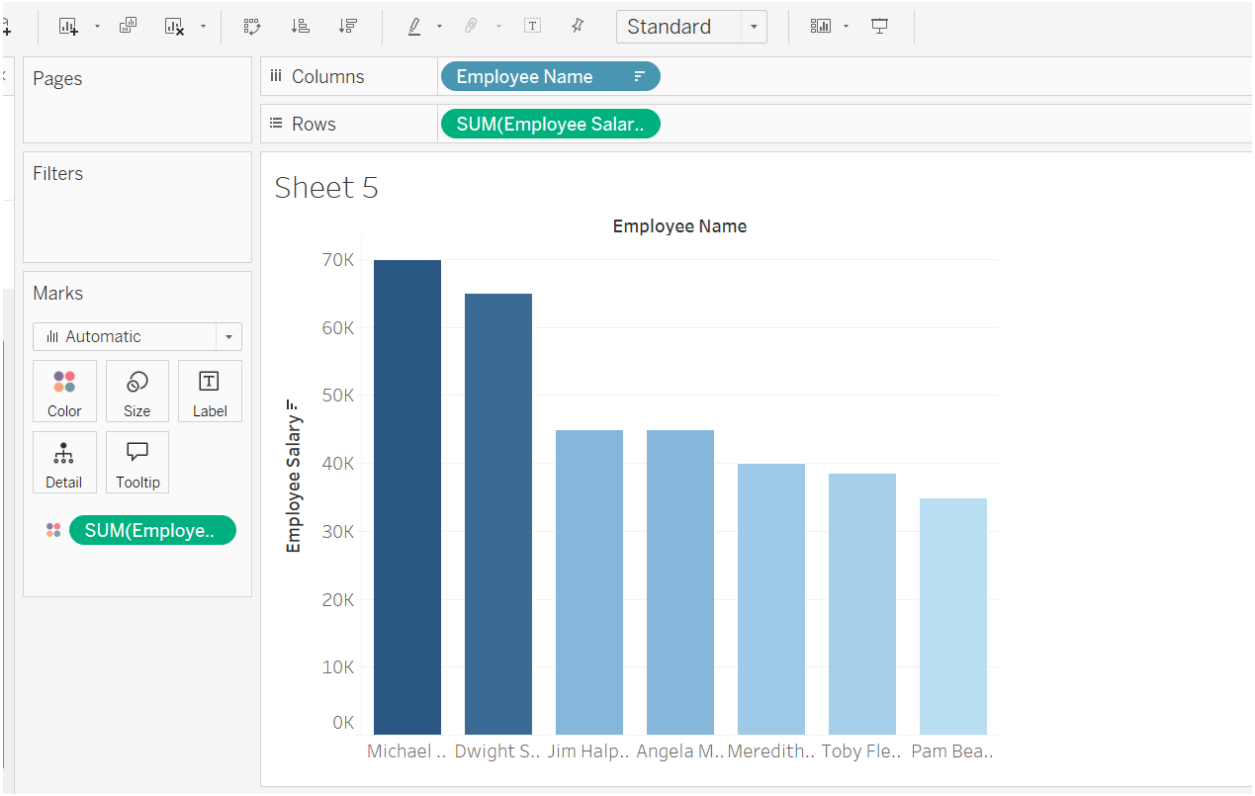
u can add 3 tables



You can change the name here

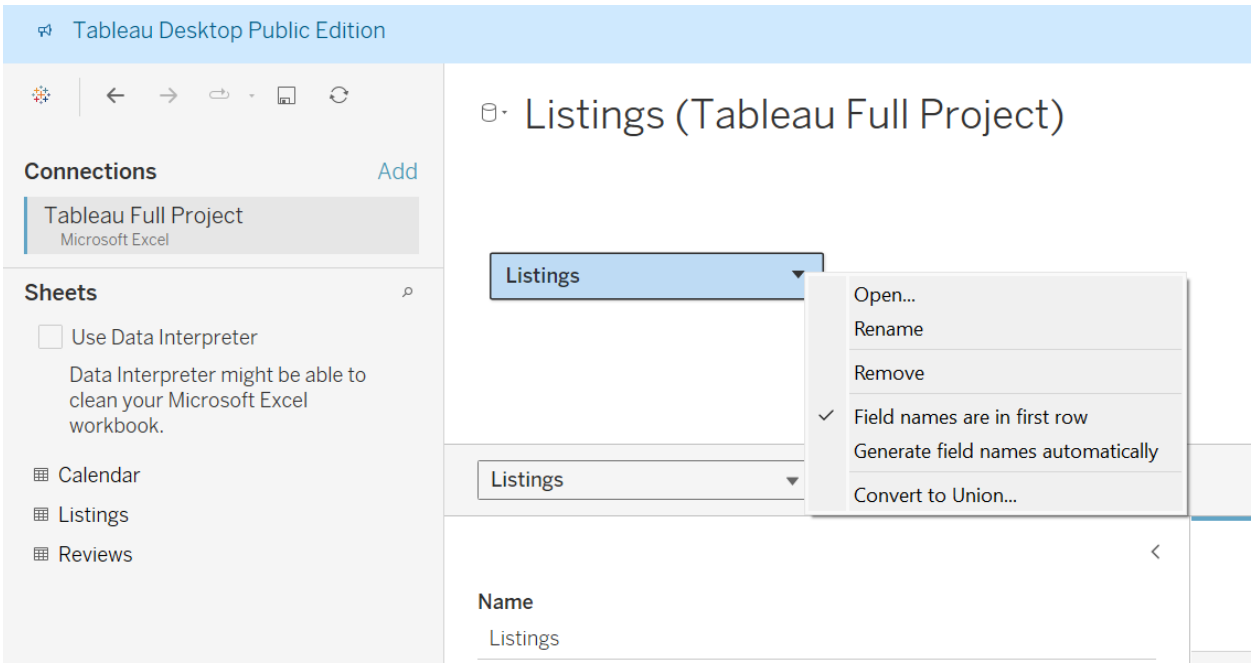


as u done joins this thing also changes

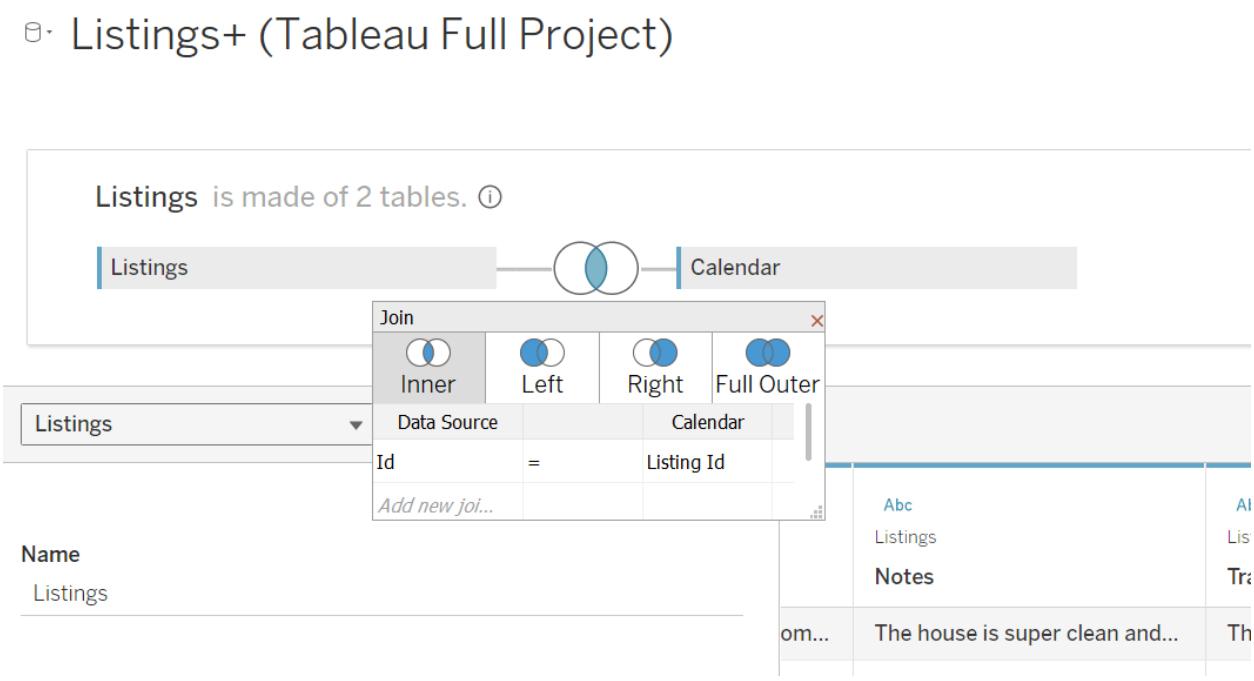


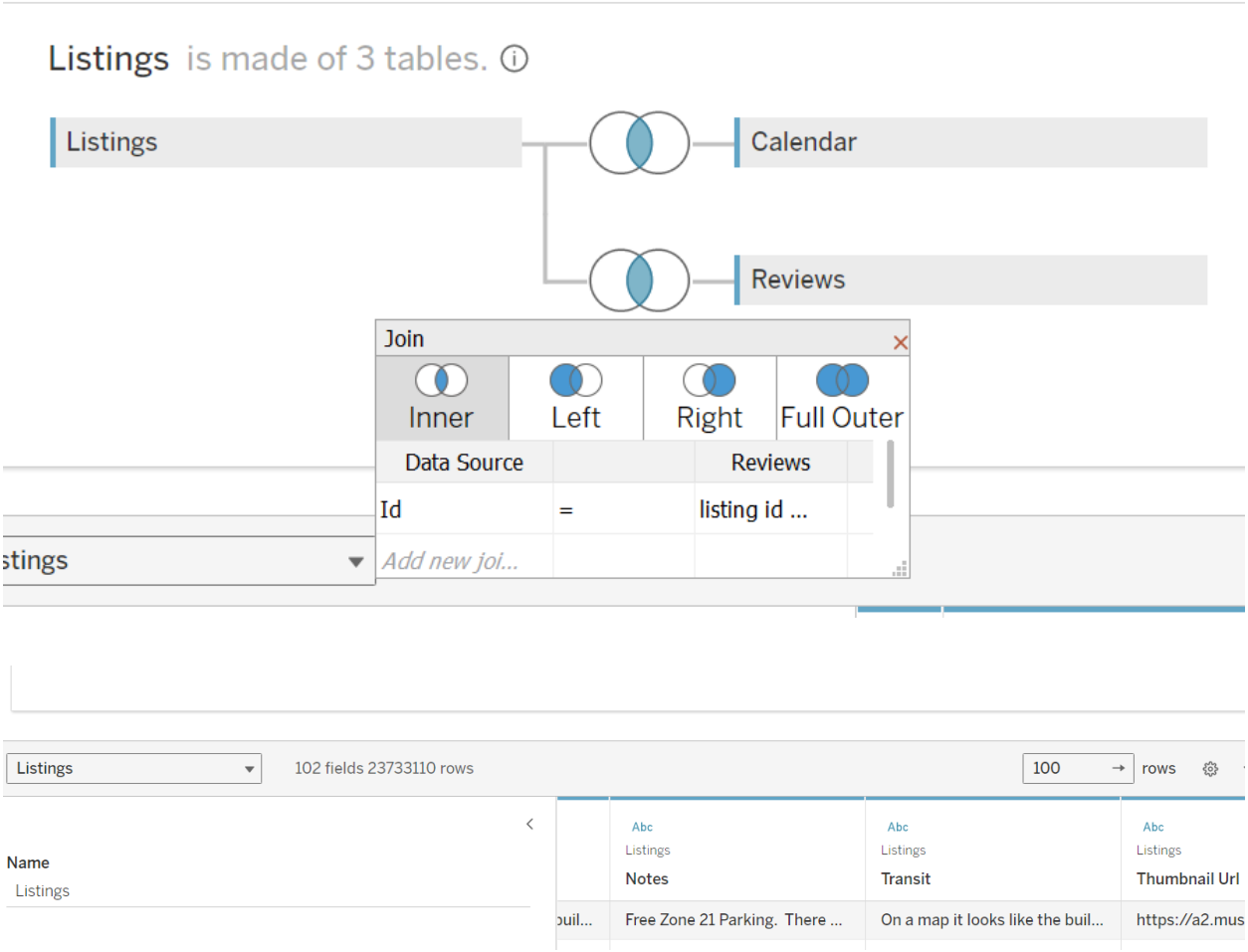
go to new worksheet and do this and get employee name and employee salary

As a DA u should be able to analyze all the data in diff sheets and come to some conclusion



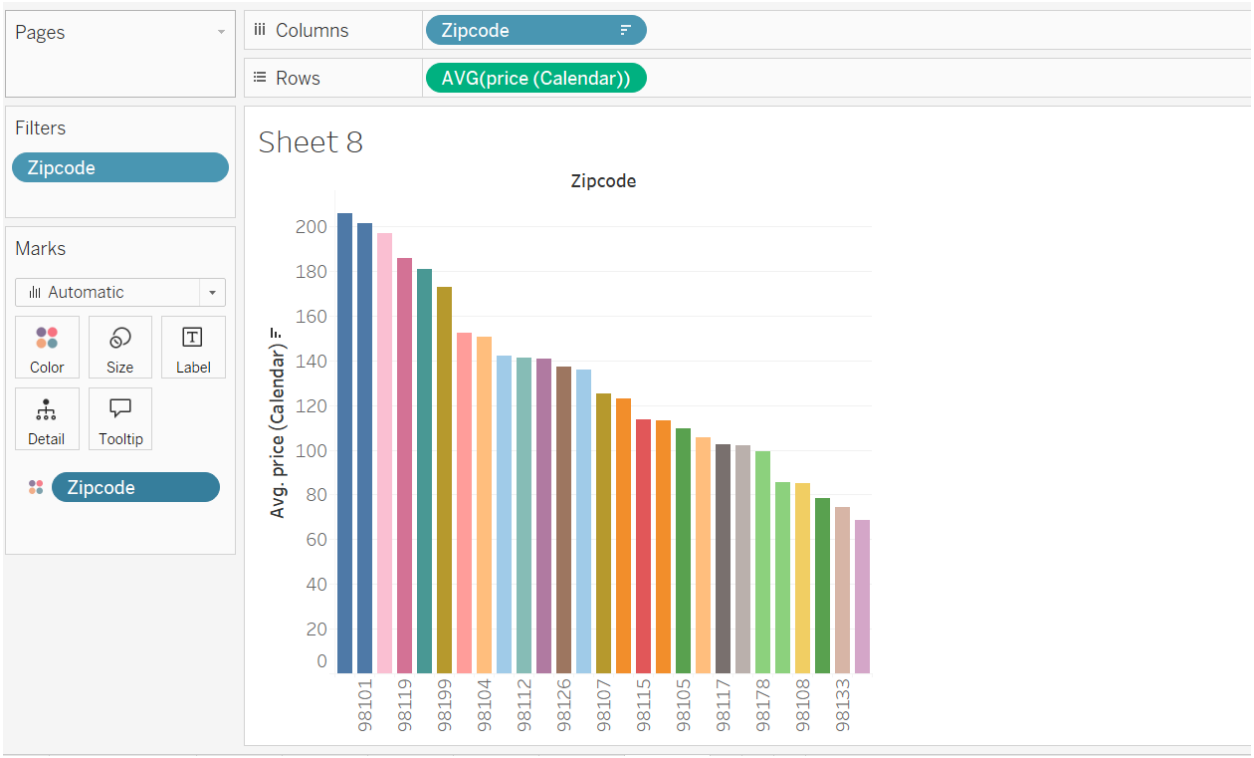
Import data automatically and then put listings that side open and join with other 2 things

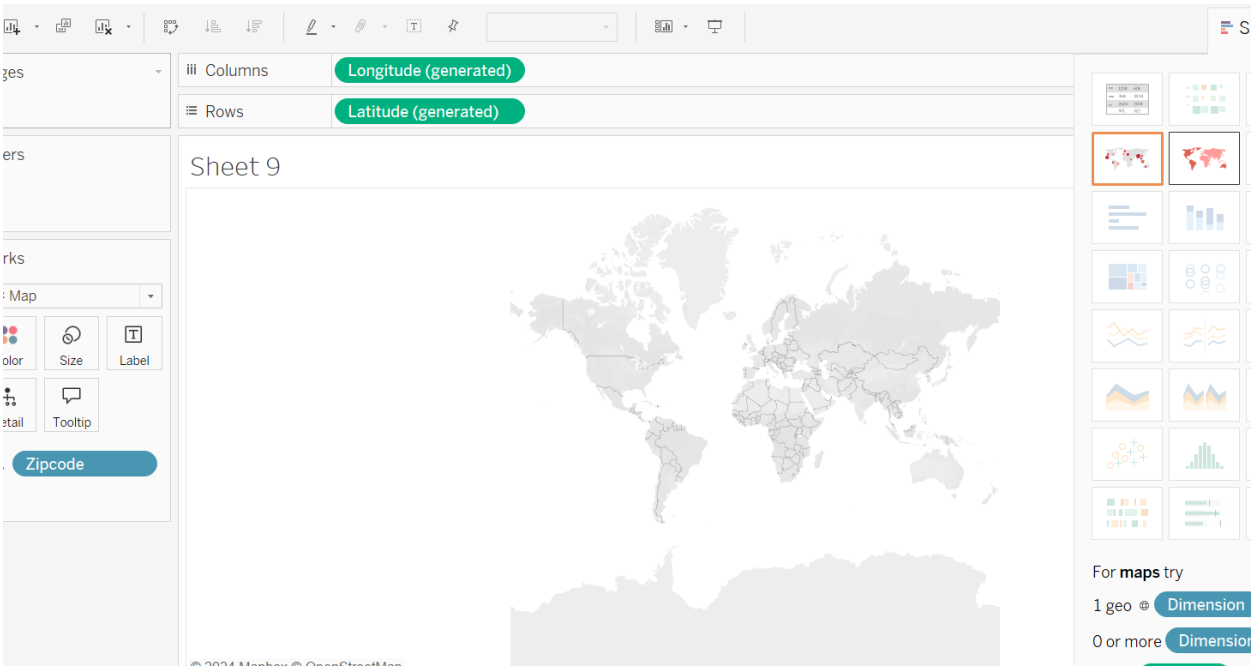


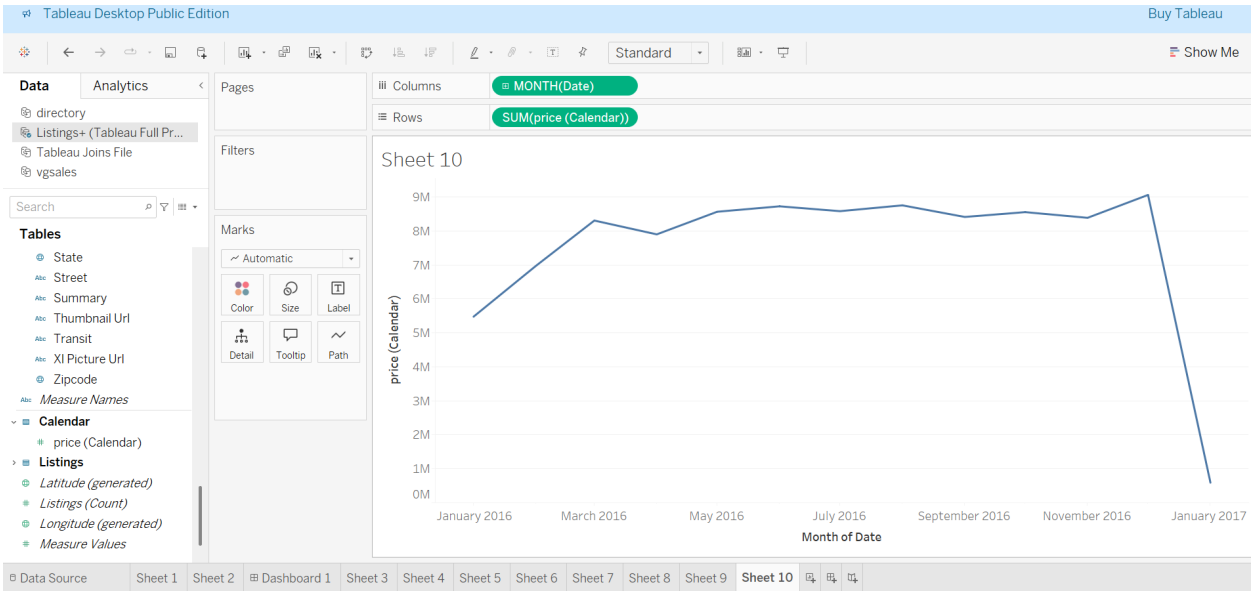


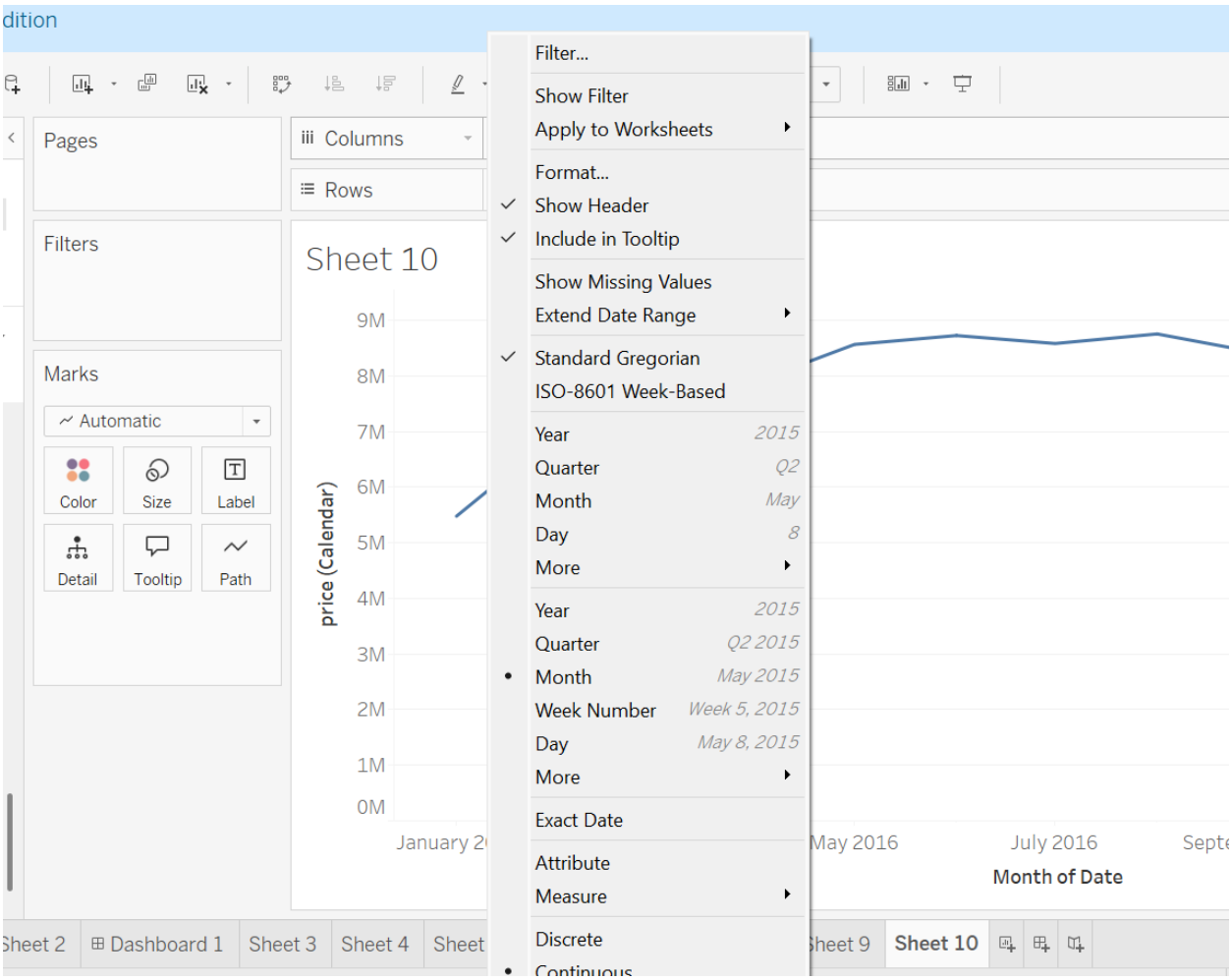
Just see how many rows are matching if it is significantly large it is clear indication that u can match that col of one sheet to another col also check for multiple cols

Now open tableau and join listings and calendar with inner join and


Pages
Columns
Zipcode
Rows
AVG(price (Calendar))
Filters
Zipcode
Marks
Automatic
Color
Size
Label
Detail
Tooltip
Zipcode
Sheet 8
Zipcode
Avg. price (Calendar)
200
180
160
140
120
100
80
60
40
20
0
98101
98119
98199
98104
98112
98126
98107
98115
98105
98117
98178
98108
98133

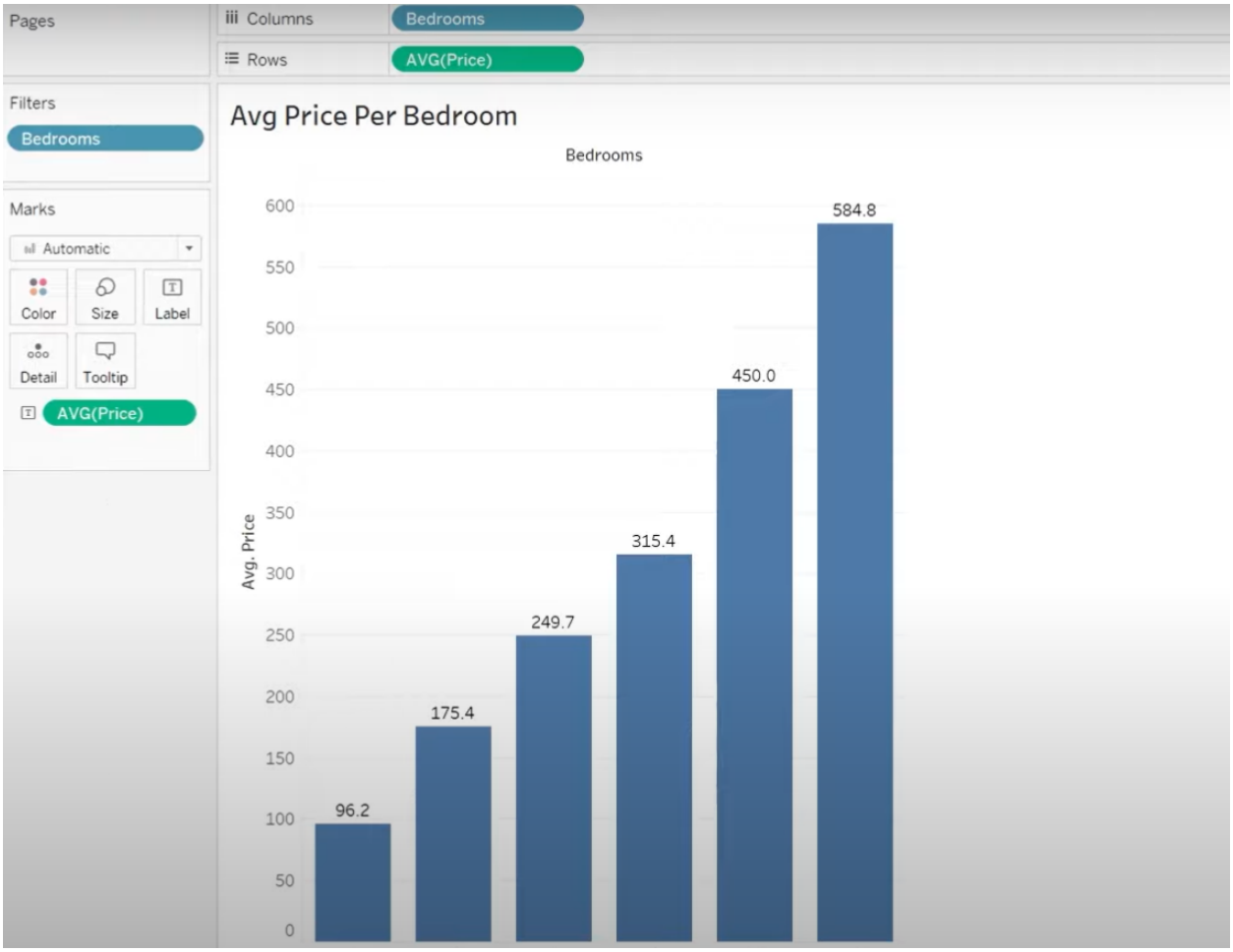

Columns
Longitude (generated)
Rows
Latitude (generated)
Sheet 9
Map
Size
Label
Tooltip
Zipcode
For maps try
1 geo
Dimension
0 or more
Dimension

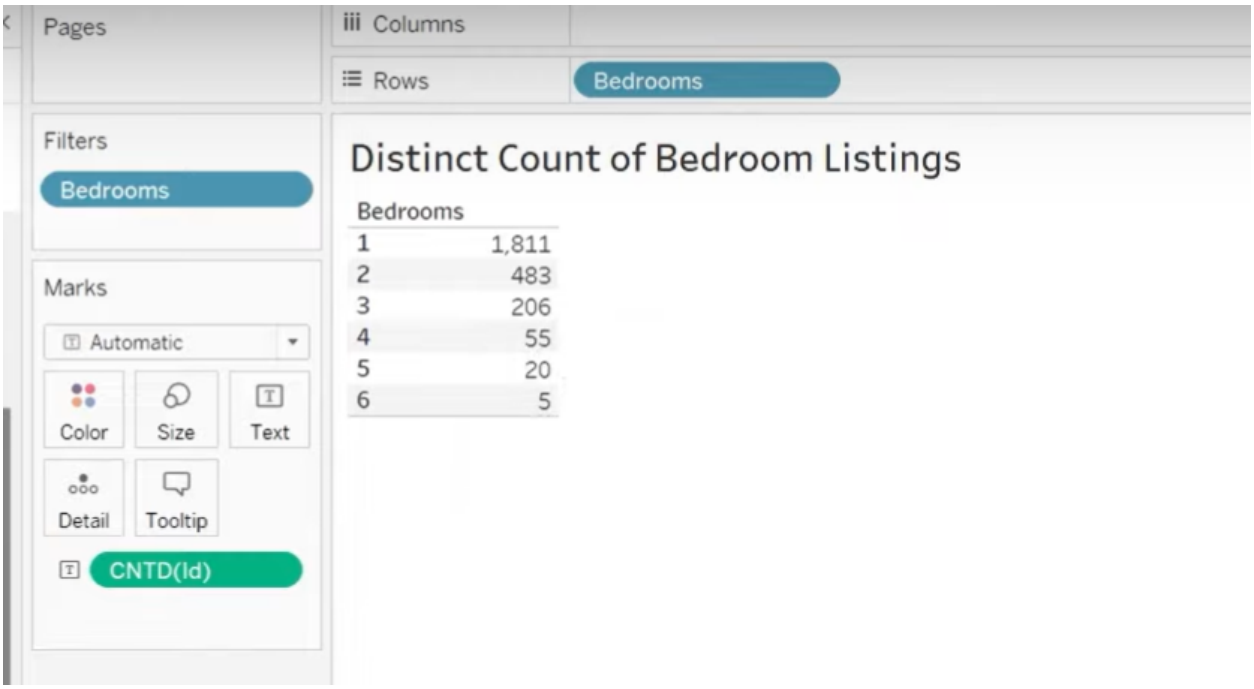




For month/year you can add filters to get the exact range

Another is price v/s bedroom graph




Pages
Columns
Rows
Bedrooms
Filters
Bedrooms
Marks
Automatic
Color
Size
Text
Detail
Tooltip
CNTD(Id)
Distinct Count of Bedroom Listings
Bedrooms
1 1,811
2 483
3 206
4 55
5 20
6 5