

## Program 1 - vg sales.csv.

- \* Connect to data
- \* Rename columns if necessary.
- \* Click on sheet 1.
- \* Drag Genre to columns, Global - Sales to rows.
- \* Click on global sales axis to sort in asc & desc.
- \* Drag year to filters.
- \* Create new sheet, drag year to columns & GS to row.
- \* Drag Genre to colours.
- \* Create dashboard, drag sheets to dashboard.

## Program 2 - Tableau Joins file.

- \* Drag demographics to display.
- \* Click join, drag salary, change the joints if needed.
  - L join - all records from left table, matched records from right
  - R join - all right, matched records from left.
  - Inner - match in both tables
  - Full outer - Returns all records
- \* Drag name of Employee to columns, employee salary to rows.
- \* Sort in descending.
- \* Drag employee salary to label.

## Program 3 - Vgsales.csv

- \* Drag year to column, GS to rows
- \* Drag EU sales to Rows.
- \* In show me panel select bar chart
- \* Right click on Global Sales axis select format to change font, font size & colour
- \* Click on chart title & change title Global sales by year
- \* Add year to filters.
- \* Right click on global sales to create calculated field  
[Global Sales] - [EU Sales]
- \* You will get 2 graphs to view in bar chart.
- \* Select genre, create a parameter select genre, then create calculated field IF [Genre] = [select genre] THEN [Global Sales] ELSE 0 END
- \* Right side select puzzle

## PROGRAM-06. - Sales for course dataset

- \* Select blank report
- \* Select dataset & click transform data.
- \* Remove columns or rows.
- \* Rename them.
- \* To change data type select change type
- \* Applied steps will reflect on query.
- \* After all changes click Close & apply.
- \* Review visualization board.

## PROGRAM-07 - HR data.

- \* Select HR dataset
- \* Transform the data
- \* Click on add column, name it "attrition count"
- \* Column name - Attrition, Value - Yes, Then = 1, Else = 0
- \* Click close & apply.
- \* Click on KPI chart, select Employee count
- \* Change colour, font, size in visualization pane.
- \* Change background & colour
- \* Select pie chart, draw a pie chart.
- \* Stacked column chart, Employee count → CF age band,
- \* Select matrix & select Job role & Job satisfaction.
- \* Select Stacked bar chart & select Education & attrition count.
- \* Select pie chart.
- \* Select slicers.

## PROGRAM-08 - HR data.



## PROGRAM-04 - Global Superstore

- \* Drag sheet 1 in Data source page.
- \* Go to sheet 1, double click on country.
- \* Drag sales to colour in sheet 1
- \* Now select India in map, select annotate & mark it.
- \* Go to sheet 2, double click on country.
- \* Drag profit to colour & annotate it.
- \* Now go to story, drag sheet 1 & 2, & drag sheet 2 in middle
- \* Change names.
- \* Now go to dashboard, drag sheet 1 & 2.

## PROGRAM - 10

- (i) \* Drag longitude to columns, latitude to rows
  - \* Drag country to colours pane
  - \* Bring any year to label.
- (ii) \* Now go to sheet 2
  - \* Drag country & measure names to column, values to rows.
  - \* Drag country to filter select Belgium
  - \* Drag measure names to filter & select year.
  - \* ~~Add~~ measure names to colour
- (iii) \* Now go to sheet 3.
  - \* Select pie chart.
  - \* Drag country to filters & select countries.
  - \* Drag measure names to filters & select 2010.
  - \* Drag country to colour.
  - \* Create a new calculation  $AVG([2010])$  & drag to angle

- (iv) \* Drag country to filters & select country.  
 \* Drag measure names to filters & select 2016, 17, 18  
 \* Drag country & measure names to column  
 \* Drag measure values to rows.  
 \* Drag measure names to columns.
- (v) \* Drag country to filters & select  
 \* Drag measure names to filters & select.  
 \* Drag measure names to columns.  
 \* 2004, 05, 06 to rows.  
 \* Drag country to label.

### Program - 11.

- (i) \* Go to power BI.  
 \* Select calculations, new measure  
 Employee Count = COUNT('HR'[Employee Number])  
 \* Select KPI card & drag Employee count.  
 \* Create new measure.  
 AttritionRate = DIVIDE([AttritionCount], [Employee Count], 0) \* 100  
 \* Create new measure  
 Attrition count = COUNTROWS(FILTER('HR', 'HR'[Attrition] = "Yes"))  
 \* Create new measure.  
 Active Employees = [Employee Count] - [Attrition Count]  
 \* Create new measure.  
 Average Age = AVERAGE('HR'[Age])
- (ii) \* Select clustered column line chart  
 \* Select attrition count & Gender.  
 \* Drag attrition rate to line - y axis.
- (iii) \* Drag department & attrition count to pie chart.
- (iv) \* Drag age bins & employee count to bar chart.

- (V)\* Drag job role to rows in matrix.  
\* Drag job satisfaction to columns.  
\* Employee count to values.
- (vi)\* Select bar chart  
\* Select Education field & attrition count.
- (vii)\* Select 2 pie charts.  
\* drag attrition rate & gender. in 1<sup>st</sup> chart.  
\* drag age & gender in 2<sup>nd</sup> chart.
- 

### PROGRAM-12 Amazon dataset.

- (i)\* Select donut chart & drag type & release year.  
(ii)\* drag release-year to x-axis, title to y-axis,  
type to legend.  
\* drag listed-in & release-year.