**VISUAL INTERACTIONS**

**VISUAL INTERACTION:** A PROPERTY USING WHICH THE SELECTION OR HIGHLIGHT OF A **DATA POINT** IN ONE VISUAL WILL AUTO **FILTER** OTHER VISUALS IN THE SAME REPORT **PAGE**.

**STEP 1**: LAUNCH POWER BI > THEN YOU SEE ONE WELCOME SCREEN. CLOSE THIS.

THEN WE SEE ONE POWER BI DESIGNER INTERFACE.

HOME RIBBON > **GET DATA** > EXCEL > BROWSE "SALES" EXCEL FILE > SELECT SHEET > **LOAD**.

**STEP 2**: CLICK @ PAGE 1 > FROM VISUALIZATIONS PANE (RIGHT) > SELECT **TREEMAP** VISUAL (18th).

THEN ONE EMPTY TREEMAP VISUAL IS AUTO ADDED TO THE CANVAS (WHITE DESIGN WINDOW)

SELECT THE TREEMAP FROM CANVAS (LEFT: WHITE SCREEN)> FROM "FIELDS" PANE (RIGHT) > CHECK THE BOXES @ *COUNTRY*, *SALE 2020*

SELECT TREEMAP > FROM THE FORMAT BUTTON BELOW VISUALIZATION > **DATA** **LABELS** > ON, SET FONT SIZE. **CATEGORY LABELS** > ON, SET FONT SIZE. SAVE THE REPORT.

**STEP 3:** CLICK OUTSIDE THE TREEMAP VISUAL > FROM VISUALIZATIONS PANE > INCLUDE **TABLE** >

FROM FIELDS PANE (RIGHT) > SELECT : COUNTRY, COMPANY, MONTH, SALES.

SELECT TABLE VISUAL > BELOW VISUALIZATIONS : FORMAT > **GRID** > INCREASE THE TEXT SIZE.

**STEP 4: TESTING VISUAL INTERACTION**

CLICK @ INDIA DATA POINT IN TREEMAP VISUAL > OBSERVE THAT ONLY INDIA DATA IS AUTO FILTERED IN TABLE VISUAL.

CLICK @ GERMANY DATA POINT IN TREEMAP VISUAL > OBSERVE THAT ONLY GERMANY DATA IS AUTO FILTERED IN TABLE VISUAL.

**STEP 5: HOW TO DISABLE VISUAL INTERACTION ?**

CLICK @ TREEMAP VISUAL > TOP MENU : FORMAT > CLICK @ EDIT INTERACTIONS BUTTON >

THEN WE SEE A SET OF TWO BUTTONS IN THE TABLE VISUALIZATION.

1. **CIRCLE** : TO **DISABLE** THE VISUAL INTERACTION (NONE)

2. **FILTER :** TO **ENABLE** THE VISUAL INTERACTION (default)

CLICK @ CIRCLE.

CLICK @ INDIA DATA POINT IN TREEMAP VISUAL > OBSERVE THAT ALL DATA IS REPORTED IN TABLE VISUAL WITHOUT ANY FILTER.

CLICK @ GERMANY DATA POINT IN TREEMAP VISUAL > OBSERVE THAT ALL DATA IS REPORTED IN TABLE VISUAL WITHOUT ANY FILTER.

**WHAT IS THE USE OF VISUAL INTERACTION?**

FOR INTERACTIVE REPORTS.

FOR EASY FILTERING OF HUGE VOLUMNS OF DATA.

FOR QUICK DATA ANALYSIS.

FOR DATA TRENDS

SELECT TABLE VISUAL > SORT BY MONTH > SELECT ALL APRIL ROWS BY USING CTRL KEY FROM YOUR KEYBOARD > OBSERVE THE HIGHLIGHTED DATA FROM THE TREEMAP.

**WHEN TO DISABLE VISUAL INTERACTION?**

SCENARIO 1: FOR SCREENSHOTS BASED, PRINTABLE REPORTS

SCENARIO 2: TO COMPUTE, ANALYSE GRAND TOTALS. ALL DATA WITHOUT ANY FILTERS.

**WHAT ARE THE LIMITATIONS OF VISUAL INTERACTIONS?**

VISUAL INTERACTION IS LIMITTED TO THE SELECTED PAGE ONLY. CANNOT BE APPLIED TO OTHER PAGES. TO ADDRESS THIS REQUIREMENT: WE NEED TO USE "**VISUAL SYNC**".