**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 > CLOSE WELCOME SCREEN. THEN WE SEE POWER BI DESIGNER INTERFACE. HOME RIBBON > **GET DATA** > TEXT/CSV > BROWSE FOR GIVEN INPUT FILE > 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). ADJUST THE TREEMAP SIZE TO MID OF THE PAGE (WE SEE ONE RED VERTICAL LINE).

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 @ GERMANY DATA POINT IN TREEMAP VISUAL (LEFT)> OBSERVE THAT ONLY GERMANY DATA IS AUTO FILTERED IN TABLE VISUAL (RIGHT).

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

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

RIGHT CLICK PAGE > DUPLICATE. RENAME THE PAGE.

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

CLICK @ INDIA 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 VOLUMES OF DATA.

FOR QUICK DATA ANALYSIS.

FOR TREND ANALYSIS USING DAX.

**WHEN TO DISABLE VISUAL INTERACTION?**

SCENARIO 1: FOR SCREENSHOT 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**".