**The Task is Easy: There are three questions, can you please create each question in Individual file. That means three different files.**

**Please Don’t create in Same File**

**Question: 1**

Forecasting & Analytics Pane

Part B:

Connect to the World Indicator saved dataset in Tableau (see picture below to connect to this dataset). Create a scatterplot that compares internet usage and mobile phone usage by country.

How has the correlation between Internet Usage and Mobile Phone Usage changed from 2000 and 2012?

* Create a scatterplot to compare mobile phone usage and internet usage by country.
* Insert a trend line to determine how correlated the data points are for the year 2000 (hover over the trend line to see the r-squared and p-value). Learn more about the P-Value and r-squared [here](https://www.strosse.com/post/p-values-and-r-squared-in-tableau).
* Create a copy of the worksheet and change the year filter to 2012.
* Put the two worksheets together on a dashboard to compare how the relationship has changed over time

Note: You could also use the ‘pages’ shelf to see how the data has changed over time. Click [here](https://help.tableau.com/current/pro/desktop/en-us/buildmanual_shelves.htm) to read more about the pages shelf.

A screenshot of a cell phone

Description automatically generated

**Question: 2**

Joins Part B:

Use the Calculated Fields & Joins start.twbx to complete this assignment.

Create a bar chart to show the average discount by manager in the technology department in 2013.

What Manager(s) have the highest average discount for the technology department in 2013?

 Create an outer join on orders & users on the data source tab

 Create a bar chart to show average discount by manager

 Format the average discount to be a percentage

 Use filters to find the answer to the question above

**Question; 3**

Part B: Level of Detail

Question:

Connect to the Summer Olympic Medals 1896 – 2008 and select the first tab called “ALL MEDALISTS.”

This data set contains all the medals that have been won in the summer Olympics since 1896. Use this

data to answer the following question:

What country has the highest percent of Olympic medals won by women?

Tasks:

 Create a bar chart that shows the percent of medals won by country

o Create a fixed level of detail calculation at the country level that shows the total medals

(Number of records) by country. Call this field Total Medals by Country

o Create a calculated field that divides the number of records by the country total medal

calculation. Call this field Percent of Total

o Filter your view by “gender” to just women and sort descending

o Create a chart that shows the Gender Percent of Total by country

o Add Country Total Medals to Tooltip to show the total number of country medals won