

Session 6



Tableau

Data Science Program

Data Visualization

Tableau main feature is the Data visualization tool that is widely used for Business Intelligence. It helps create interactive graphs and charts in the form of dashboard and worksheets to gain business insight. And all of this is made possible with gestures as simple as drag and drop!

Graph Examples

Visualization	Application
Bar Graph	Used when Dimension is discontinuous
Line Graph	Preferred for continuous Dimensions
Dual Axis Graph	Used to represent two Measures together
Geographical Graph	Used to plot Measures on geographical map
Area Graph – Dual Axes	Provides better comparison amongst Measures
Heat Map	Used to visualize variations across categories
Tree Map	Used to represent quantity in nested rectangles

Data Visualization

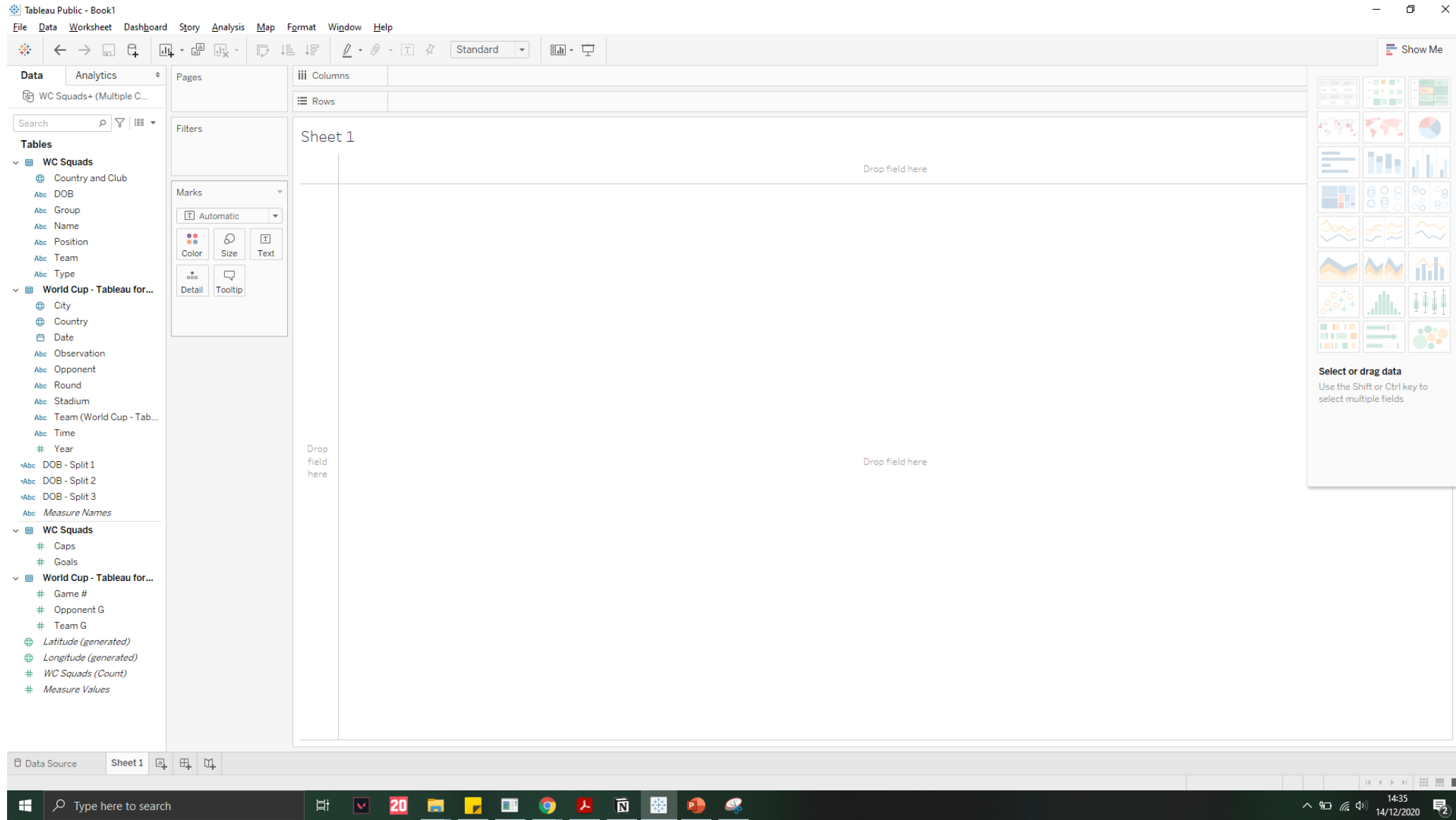
New Union

Sort fields Data source order

WC Squads Type	WC Squads Team	WC Squads Group	WC Squads Position
Caps	France	C	FW
Age	France	C	FW
Age	France	C	FW
Caps	France	C	FW
Age	France	C	FW
Caps	France	C	FW
Caps	France	C	FW
Caps	Mexico	F	DF
Age	Mexico	F	DF
Age	Mexico	F	DF
Caps	Mexico	F	DF
Age	Mexico	F	DF
Caps	Mexico	F	DF
Age	Uruguay	A	MF
Age	Uruguay	A	MF

Data Source Sheet 1

- As soon as data imported, select worksheet to create data visualization
- You can add the sheet like an excel sheet, can be change (rename)



- There is worksheets interfaces in generally.

Tableau data type term

Dimensions

Abc

A Dimension is a field that is an independent variable.

A dimension is usually text

Measures

#

A Measure is a field that is a Dependent Variable and its value is a function of one or more Dimensions.

A measure is usually a number