












Tableau Tutorial

1. Load Data to preview
2. Type of fields by icon
 - a. Blue icons indicate that the field is discrete.
 - b. Green icons indicate that the field is continuous.
3. Fields are automatically filled with types, it's not always correct
 - c. e.g.: x, y should be Lat, Long but filled as numeric
 - d. Reportedate filled as text but not datetime

	DESCRIPTION
 	The field contains text values.
 	The field contains numeric values.
 	The field is a calculation defined on the server.
 	The field contains only date values.
	The field contains both date and time values.
	The field contains geographical data and has been assigned a geographic role. Use these fields when building map views. See Maps and Geographic Data Analysis in Tableau .
	The field contains geographical data from an active custom geocoding file. See Geocode Locations Tableau Does Not Recognize and Plot Them on a Map .

4. Worksheet

- a. Change name
- b. Excel columns will appear on left panel
- c. Refresh data to update file
 - i. Dimensions
 - ii. Measures
 - 1. Can be converted to dimension

5. How to use tables

- a. Drag field to blank, column or row will auto generate graph
 - i. Numeric field default is sum, can be changed in measure
 - ii. Column and row can be switch
 - iii. Select Mark Automatic or show me to change graph

b. Bar chart

- i. Drag field (e.g. Neighbourhood) to row and columns try CNT on columns
- ii. Filter: filter in row, use top by field(top)
- iii. Use MCI in colour then try on page & use customize
- iv. Show quick table calculation(e.g. CNT(Neigh))

c. Line graphic 1

- i. Columns use occurrencehour (auto is sum, change to dimension)
- ii. Rows use CNT(MCI)(Colour, size)
- iii. Try add another MCI to rows, then move it to colour

d. Line graphic 2

- i. Drag table (e.g. Neighbourhood)
- ii. Columns use occurrencedate(auto is year, you can change it, we use it month)
- iii. Rows use CNT(MCI)

e. Map

- i. Columns use Long, Rows use Lat(auto is avg, change to dimension)
- ii. Change Marks change Auto to Density
- iii. Select map to change background, Filters use MCI
- iv. Mapbox can be use customize

6. Dashboard

- a. Organize sheets
- b. Highlight Multi object
- c. Use filters
- d. Highlight on map and filters
- e. Dashboard change theme
 - i. Format dashboard
 - ii. Dashboard shading change to black
- f. Fig change theme
 - i. Click fig
 - ii. Format shading: worksheet change to black
 - iii. Format Font : worksheet and title change to white

Visualization Challenge Presentations

- Create dashboard
- Highlight key insight
- Practice for building a story
- Showcase your skill

<https://learn.weclouddata.com/programs/5/courses/db67ce25-78ce-4973-b2b7-4c6a04cc4143/weeks/991>

E.g. hour by MCI