

TABLEAU_DE_EU_US_In Class_Session2

TABLEAU_EU_DS12_S2

Training Clarusway

Pear Deck - October 13, 2022 at 4:29PM

Part 1 - Summary

Use this space to summarize your thoughts on the lesson

Part 2 - Responses

Slide 1

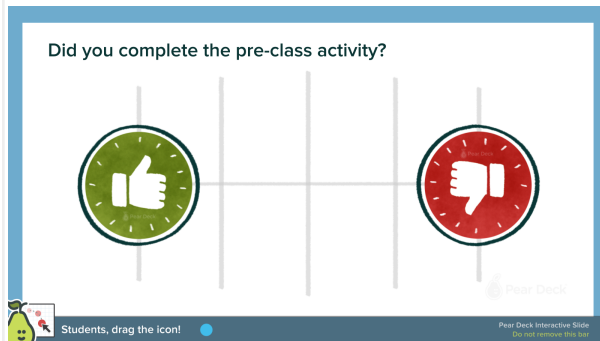


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Slide 2

Your Response



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Slide 3

Table of Contents

- ▶ Difference Between Dimension and Measure
- ▶ How to Build a Visualization
- ▶ Chart Types
- ▶ Dates

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► Objective

- Know the ways of how to build a visualization
- Change the mark type to get different charts
- Use different color palettes

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► How to follow the class?

- Don't try to do at the same time with me!!!
- Just listen and pay attention to the details.
- I will give you time to practice.

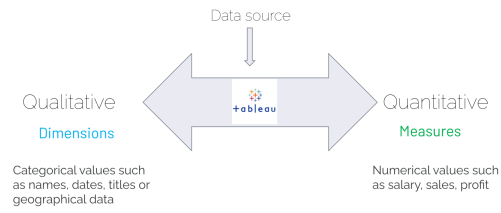
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Dimensions & Measures

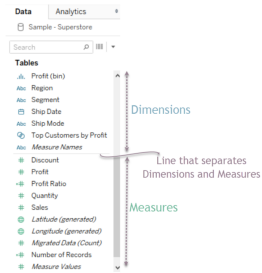


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Dimensions & Measures



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Discrete vs Continuous

Blue pill

DISCRETE

individually separate and distinct

treated as finite

generally add headers to the view

Furniture	Office Supplies	Technology
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Green pill

CONTINUOUS

forming an unbroken whole, without interruption

treated as an infinite

generally add axes to the view

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Discrete vs Continuous

Blue pill

DISCRETE

Product Category

Segment

Country

Age

Green pill

CONTINUOUS

Revenue

Population

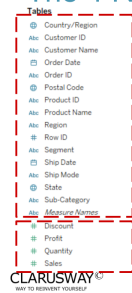
Profit

Age

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The 4 Roles of Fields



Dimensions with a data type of String or Boolean cannot be continuous

Dimension DISCRETE
Dimension CONTINUOUS

Measure DISCRETE
Measure CONTINUOUS

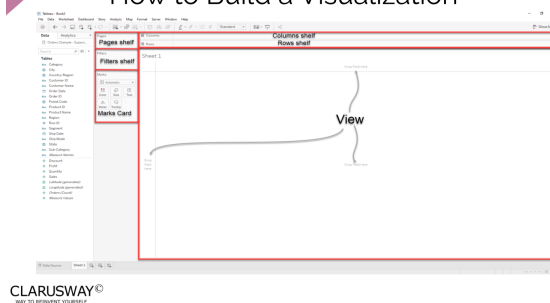
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How to Build a Visualization

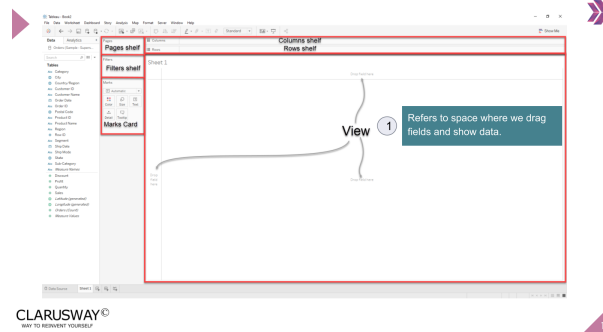


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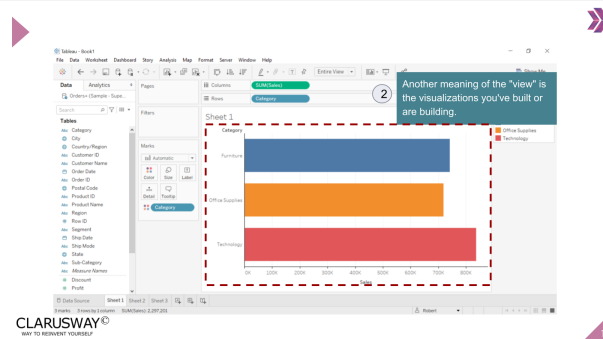
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Use this space to take notes:

Slide 13



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Slide 14

► Ways to Build a Viz



There are several ways you can create views in Tableau.



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► Ways to Build a Viz



- Drag and Drop Fields onto the Columns and Rows Shelves
- Drag and Drop Field onto Drop Here areas on the view
- Double-click Fields on the Data Pane
- Using Show Me
- Using Marks Card

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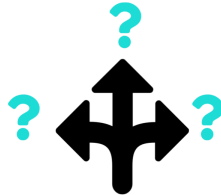
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► Ways to Build a Viz



Every view starts with a question.



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► Ways to Build a Viz



How our Sales are broken down by product Category?

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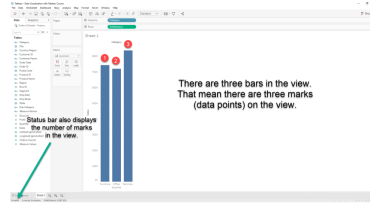
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► What is a Mark?

Mark is a data point. Tableau displays data using marks, where every mark corresponds to a row (or a group of rows) in our data source.

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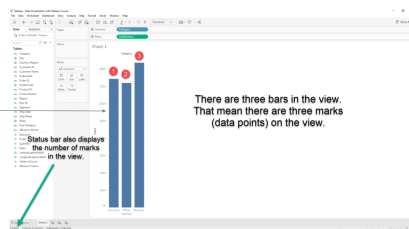
Slide 19

► What is a Mark?

When we refer to a mark in Tableau, we mean the shape used to represent data in the visualization.

Shape:
Bar

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What is a Mark?

By placing fields on cards, we add context to the visualization by encoding marks with color, size, shape, text, and detail.

Encoding is the process of converting data from one form to another



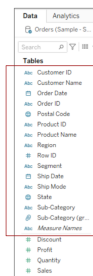
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Working with Dates

Dates are dimensions and they will always appear in the **Dimensions** section of your data pane. Remember, being a dimension does not always mean that they are discrete.



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Working with Dates

They can come in two different data types within Tableau – date and date & time.

Data	Analytics
Orders (Sample - S...)	Tweets
Search	Search
Tables	Tables
Alt Customer ID	Alt Airline
Alt Customer Name	Alt Airline Sentiment
Alt Order Date	Alt Airline Sentiment G...
Alt Order ID	Alt Name
Alt Product Code	Alt NegativeReason
Alt Product ID	Alt NegativeReason Gold
Alt Product Name	Alt Text
Alt Region	Alt Tweet Count
Alt Row ID	Alt Tweet Created
Alt Segment	Alt Tweet Id
Alt Ship Date	Alt Tweet Location
Alt Ship Mode	Alt User Timezone
Alt State	Alt Measure Names
Alt Sub-Category	Alt Airline Sentiment G...
Alt Sub-Category (gr...	Alt NegativeReason-G...
Alt Measure Names	Alt Retweet Count
Alt Discount	Alt Tweets.csv (Count)
Alt Profit	Alt Measure Values
Alt Quantity	
Alt Sales	

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Discrete vs. Continuous

- Date fields can be either discrete or continuous. To understand the difference, let's first talk about date parts and date values.
- Discrete dates use date parts. Date parts are literally the parts that make up a date. Let's take the date of **March 6, 2016**
- The **"month" date part** is **March** (or **03**).
- The **"day" date part** is **6** and the **"year" date part** is **2016**.
- If I used any of these on their own, such as month, then I would be looking at every March aggregated together in my view and so on.



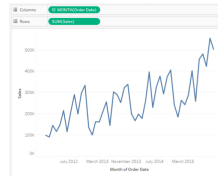
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Discrete vs. Continuous

- Date values are used for continuous dates. They follow the same structure of date parts (i.e. year, quarter, month, week, day and so on). The difference between date values and date parts is that date values imply a level of detail in a timeline. Remember continuous fields do not create headers, they create an axis. In the case of a continuous date, it creates a timeline. Date values determine how our timeline is organized.



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Wrap-up

- Build a Viz Using Several Methods
- Definition of Mark
- Using Marks Card
- Color Palette
- Dates



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Your Response

Slide 26

Your Response



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THANKS!

Any questions?

You can find us at:

- #questions-answers @Slack

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This slide features a clean white background. On the left, the text 'THANKS!' is in a large, purple, serif font. Below it, 'Any questions?' is in a bold, black, sans-serif font. Further down, 'You can find us at:' is followed by a bullet point '▸ #questions-answers @Slack'. At the bottom left is the 'CLARUSWAY®' logo with the tagline 'WAY TO REFINEMENT YOURSELF'. On the right side, there is a 3D illustration of a person sitting at a desk with a laptop. Above them are several blue question marks. To the right of the person is a large, light blue document or screen with a magnifying glass icon over it. A purple double arrow points to the right in the top right corner, and a purple triangle points to the bottom right corner.

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