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Data Visualization

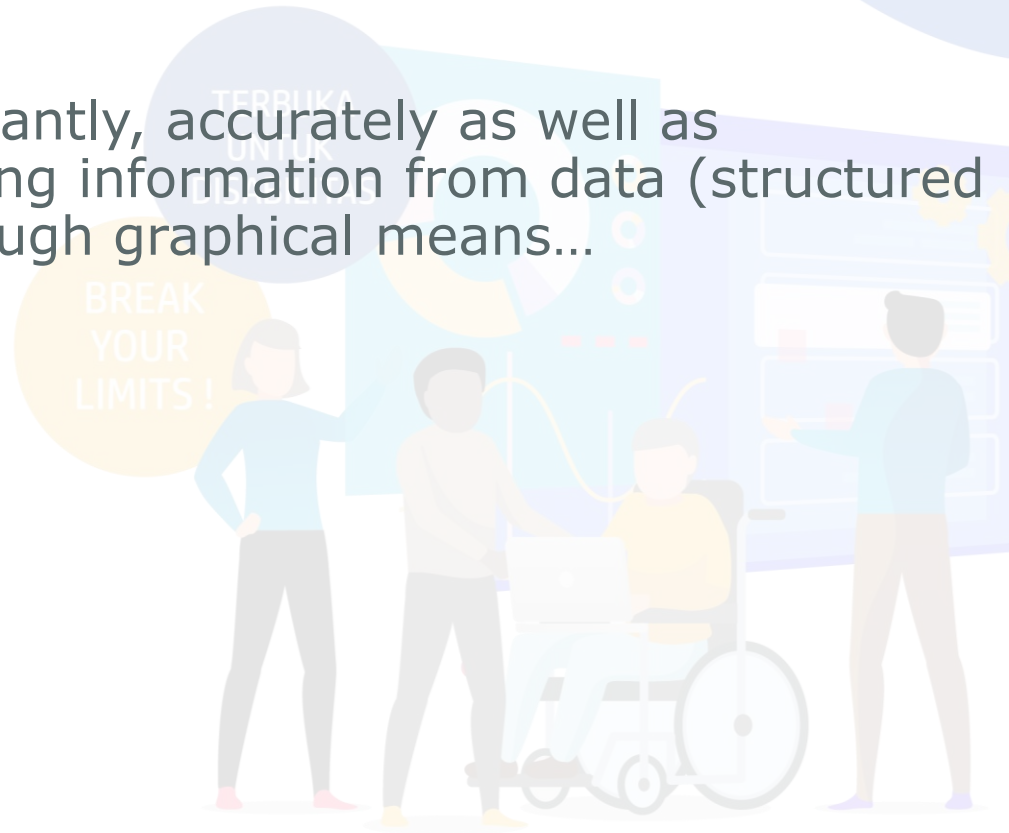




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Data Visualization Session's Objective

- Effectively, efficiently, elegantly, accurately as well as meaningfully communicating information from data (structured or unstructured data) through graphical means...





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Data Visualization Topics:

- Mengetahui Prinsip Visualisasi Data
- Mengetahui Praktek Visualisasi Data
- Diskusi
- Membuat visualisasi grafik dari data terstruktur (berbasis angka)
- Membuat visualisasi grafik dari data tidak terstruktur (berbasis text)
- Menyajikan hasil pengolahan data dalam bentuk dashboard





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Outline

- 1. Introduction to Data Visualization (Knowledges-**Asyn**)
- 2. Essential Data Visualization Workflow & Techniques (Best Practices with Tableau-**Asyn**+**Sync**)
 - Tableau Tutorials-**Asyn**
 - Hands-On Tableau Project (Dashboard/KPI)-**Sync**

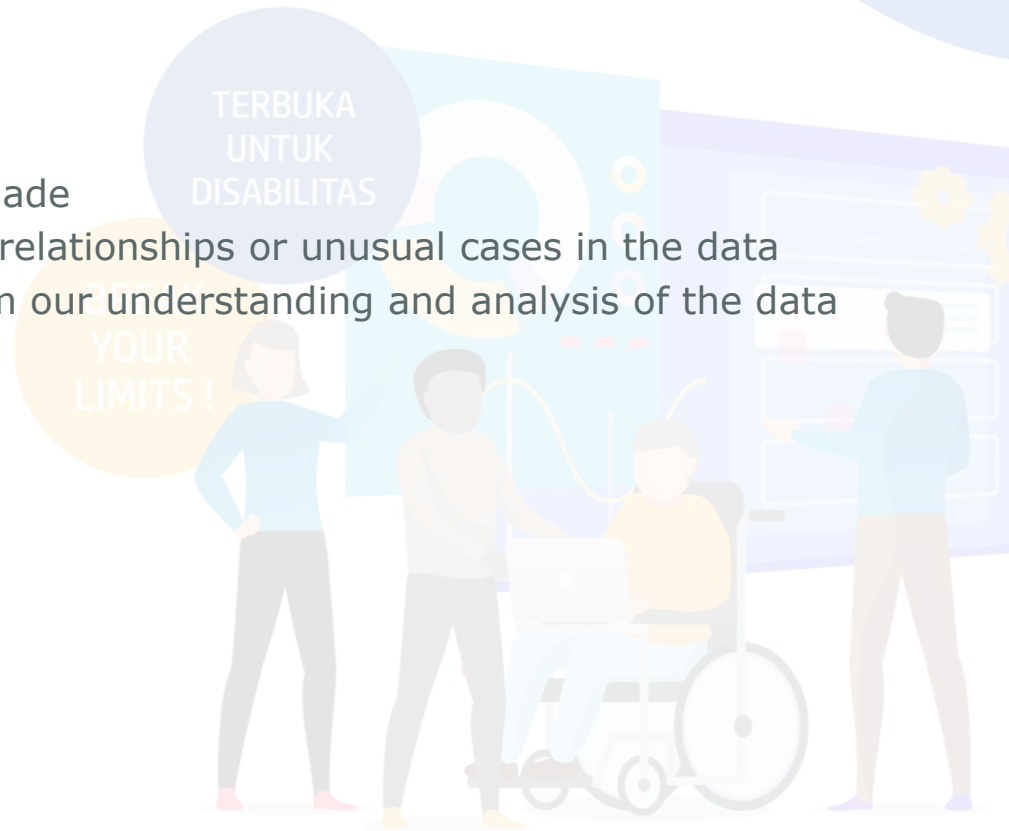




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Introduction to Data Visualization-Asyn:

- Information visualization (Intro):
 - Presentation: to explain or persuade
 - Exploratory Analysis: to identify relationships or unusual cases in the data
 - Confirmatory Analysis: to confirm our understanding and analysis of the data
- Classic Example
- Visualization Basics
- Visual System
- Visual Perception
- What is Color
- Color Vision
- Effective Charts
- Various Examples

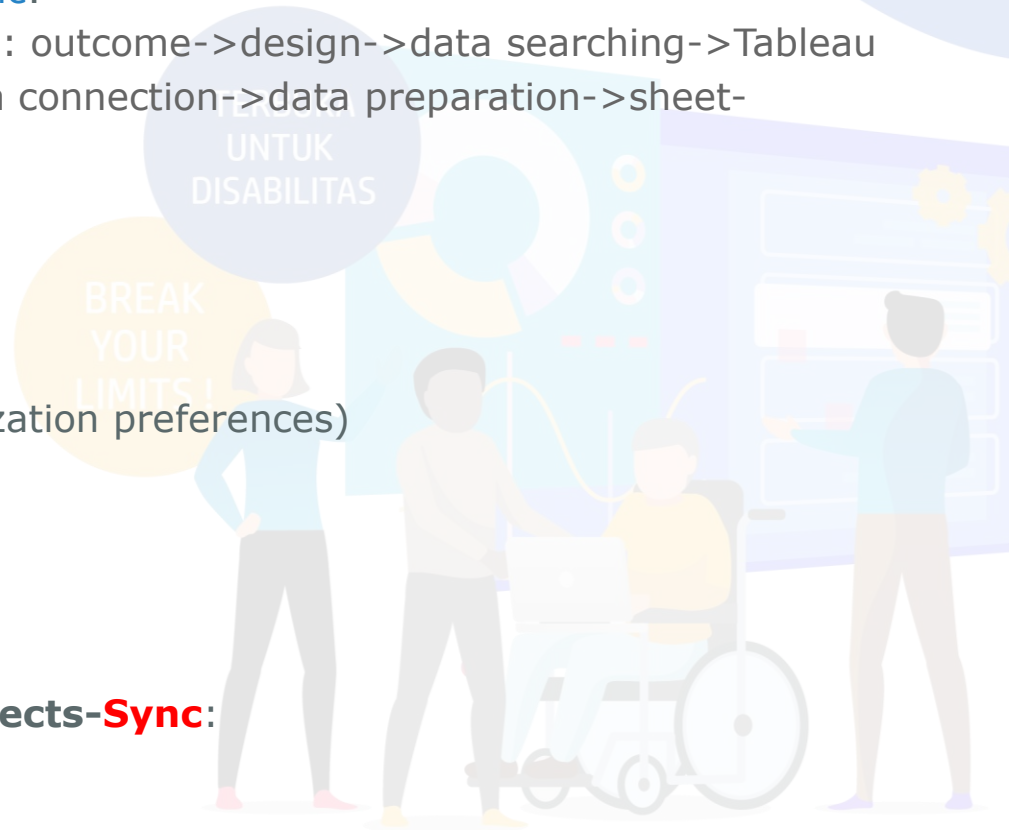




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Essential Data Visualization Workflow & Techniques

- Understanding Visualization Workflow-**Async**:
 - Workflow type 1 (we don't have data): outcome->design->data searching->Tableau
 - Workflow type 2 (we have data): data connection->data preparation->sheet->[dashboard]->story
 - Graphing Process
- Essentials Techniques-**Async**:
 - Know Your Audience
 - Set Your Goals
 - Choose The Right Chart Type (Visualization preferences)
 - Color Theory
 - Handle Big Data
 - Include Comparisons
- Tableau Tutorials-**Async**
- Dashboard / KPI-**Hands On Tableau Projects-Sync**:
 - Business KPI
 - Financial KPI
 - Sales KPI
 - Marketing KPI
 - Project Management KPI

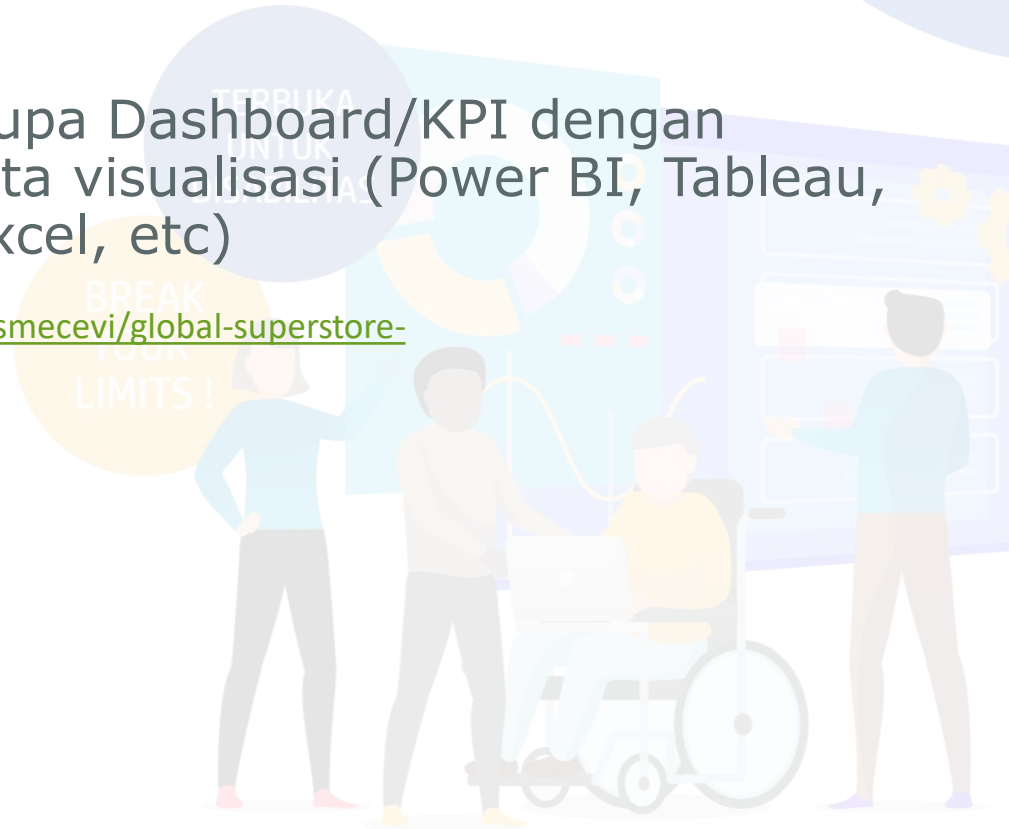




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Tugas

- Pembuatan Visualisasi berupa Dashboard/KPI dengan menggunakan software data visualisasi (Power BI, Tableau, Google Data Studio, MS-Excel, etc)
- Data Sources: <https://github.com/itsmecevi/global-superstore-new/blob/master/Global%20Superstore.xls>

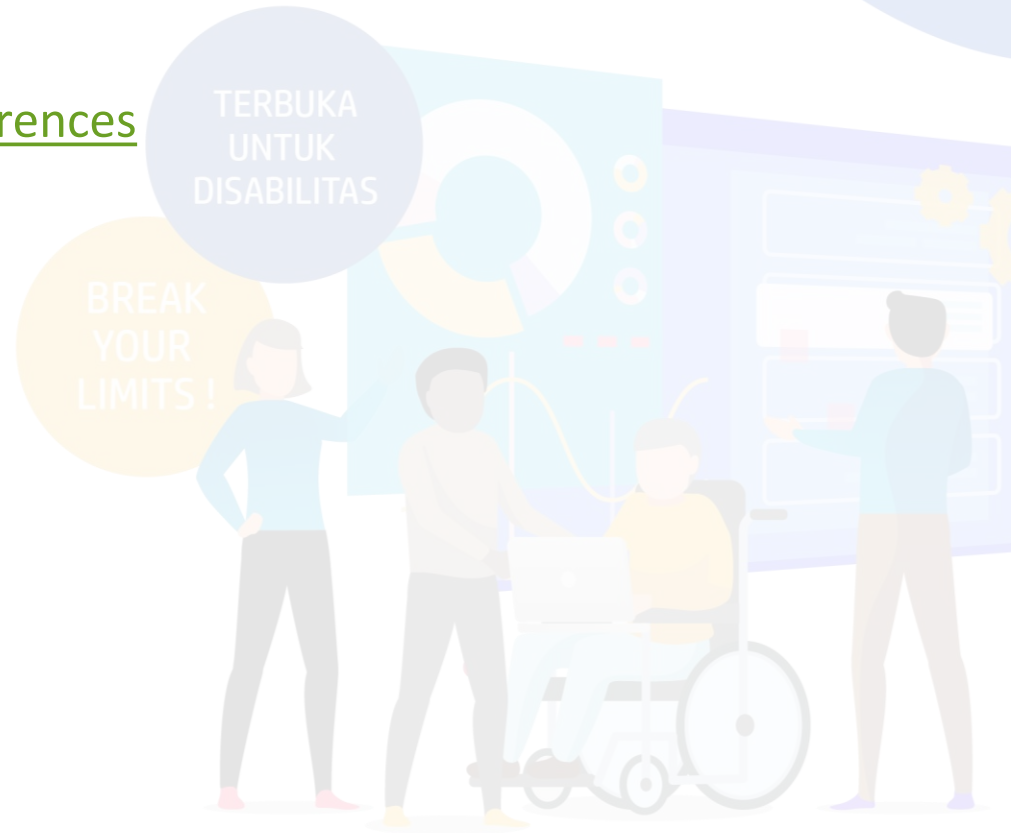




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Referensi

<https://trello.com/b/fCiyw9l4/references>





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TERIMA KASIH

TERBUKA
UNTUK
DISABILITAS

BREAK
YOUR
LIMITS!









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IKUTI KAMI



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