

DASH INTO BI : FROM DATA TO INSIGHTS

MICROSOFT POWER BI WORKSHOP



Power BI

DATE

: 18TH SEPTEMBER 2021

TIME

: 10.00 AM - 05.00 PM (MYT)

INSTRUCTOR

: MR. LIEW YEE JING





IMPORTANT ANNOUNCEMENTS



1. Ensure that you have **installed Microsoft Power BI Desktop** on your PC.
2. To avoid unnecessary disruptions, participants should **keep your mics muted** at all times.
If you have any questions, please leave them under the chat section. Fret not, as the organizing committee will make sure all your questions are answered.
3. If you face any **issues** or have any **event queries**, please reach out to APAC via:-
 - Contact number: +6011 - 1219 7127
 - Instagram page: @apu.apac
 - Facebook page: APAC Asia Pacific Analytics Club
 - Email: - asiapacificanalyticsclub@outlook.com
 - asiapacificanalyticsclubapu@gmail.com



WHAT YOU WILL KNOW?

- What is BI?
- What is Power BI?
- What is Power Query
- What is DAX
- How to create Sales Report
- How to do Cross-Selling Analysis



WHAT IS BUSINESS INTELLIGENCE (BI)

Business intelligence is the delivery of accurate, useful information to the appropriate decision makers within the necessary time frame to support effective decision making

—Brian Larson

WHAT IS BUSINESS INTELLIGENCE (BI)

- What happened?
- Why did it happen?
- What's happening now?
- What might happen?

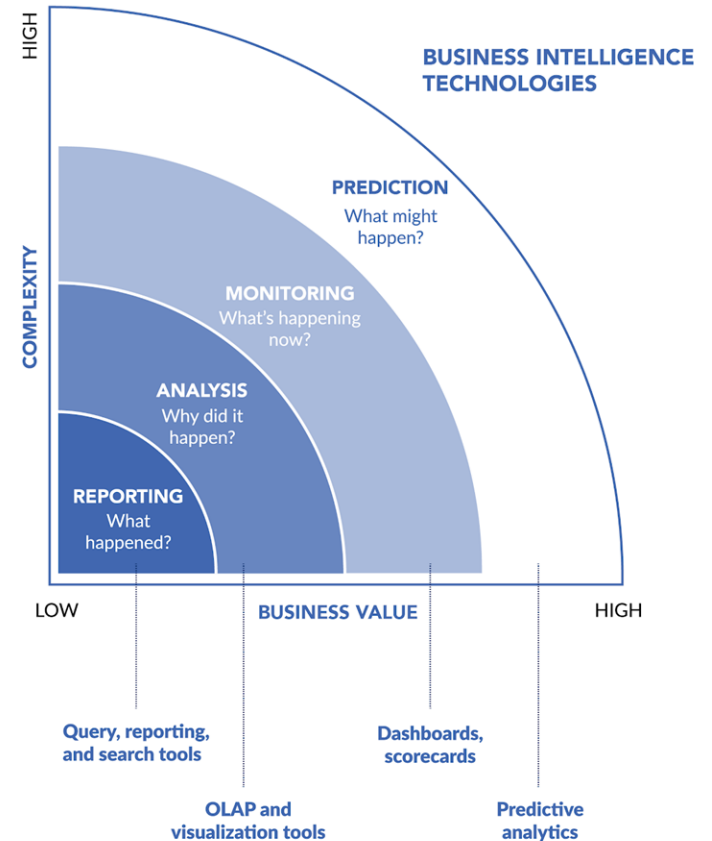
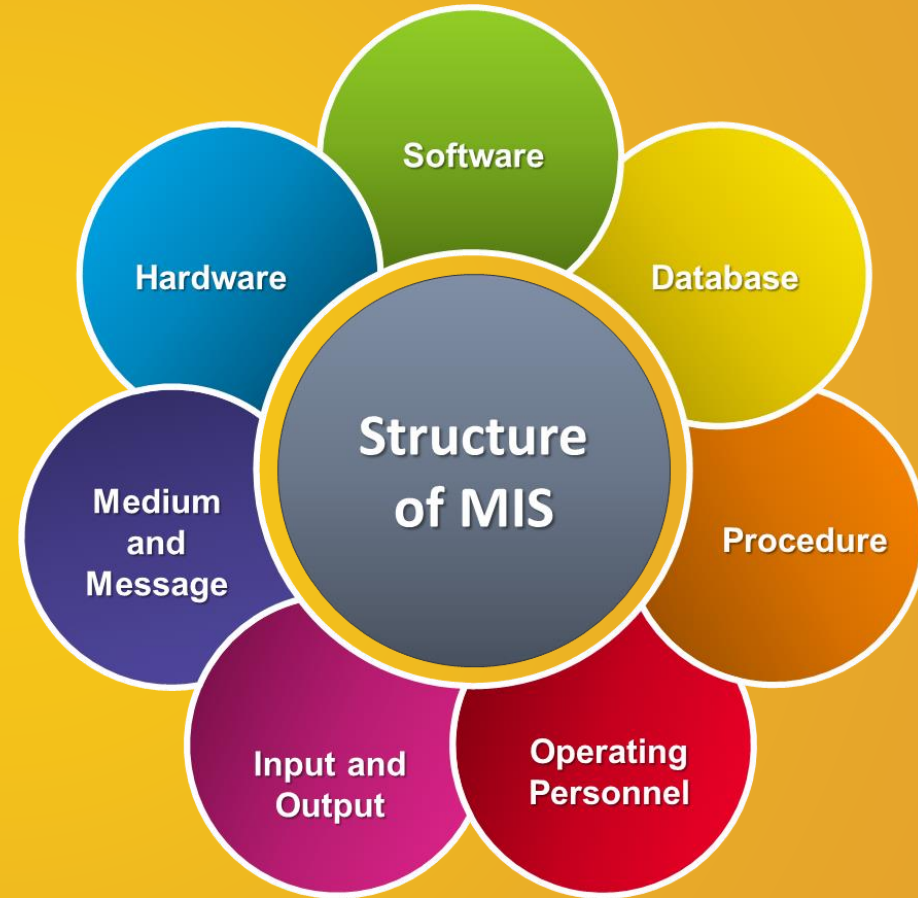


Image from [DemandSolution](#)

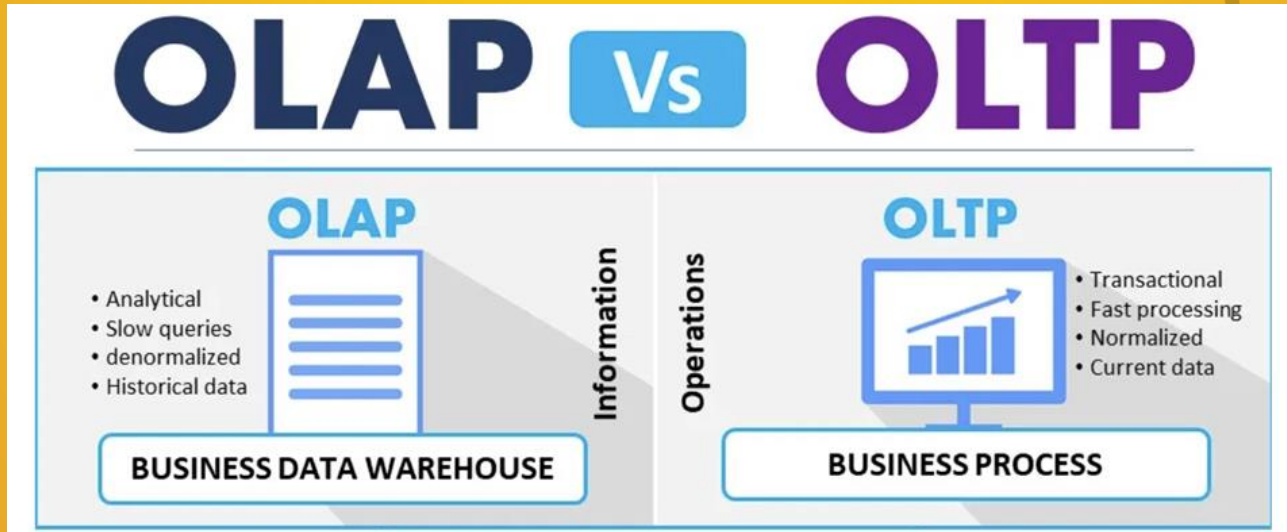
BI PROCESS GATHER

- Data collected from inputs (humans or devices)
- E.g. enterprise resources planning (ERP) system, accounting system



BI PROCESS STORE

- From Online Transactional Processing (OLTP) to Online Analytical Processing (OLAP) with Extract, Transform, Load (ETL)
- Mainly done by Power Query using M Language



BI PROCESS MODEL

- Present data to business user
- Store business calculation
- Tabular model mainly done using Data Analysis eXpressions (DAX)

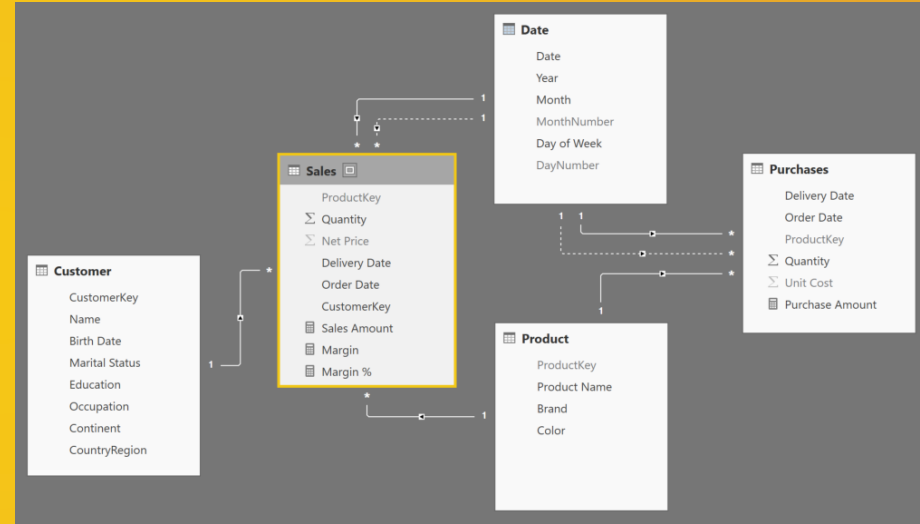
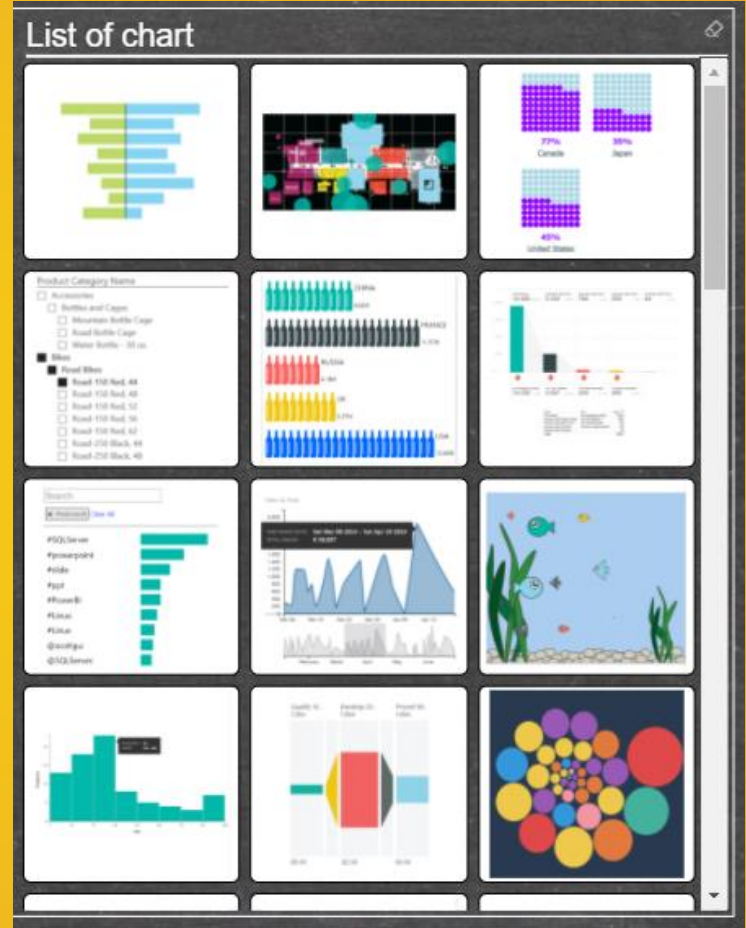


Image from [SQLBI](#) by [Macro Russo](#)

BI PROCESS VISUALIZE

- **Creating charts, tables on reports and dashboard**
- <https://community.powerbi.com/t5/Data-Stories-Gallery/Choose-your-Power-BI-chart/m-p/34319>



UNDERSTANDING SOME TERM

Beginning to Power BI

POWER BI

Power BI Desktop

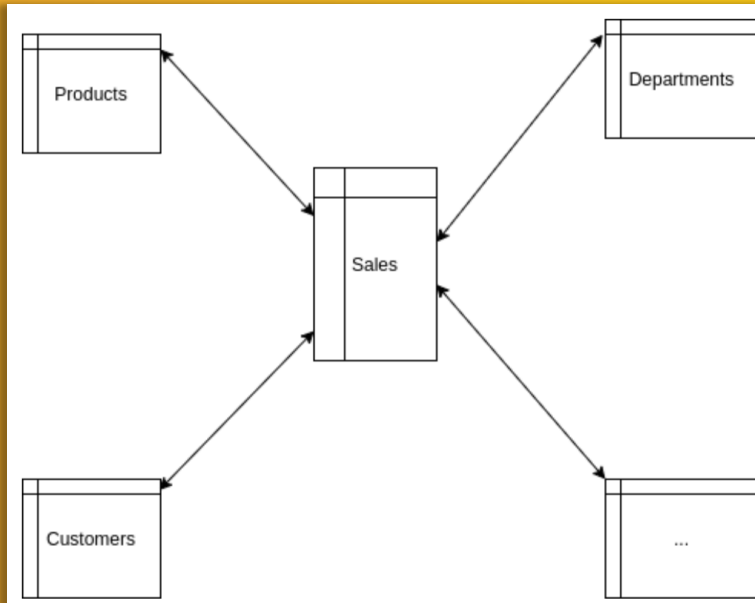
- Full capability in data access and report design
- Data modelling and query
- Required installation
- Consume local storage

Power BI Service

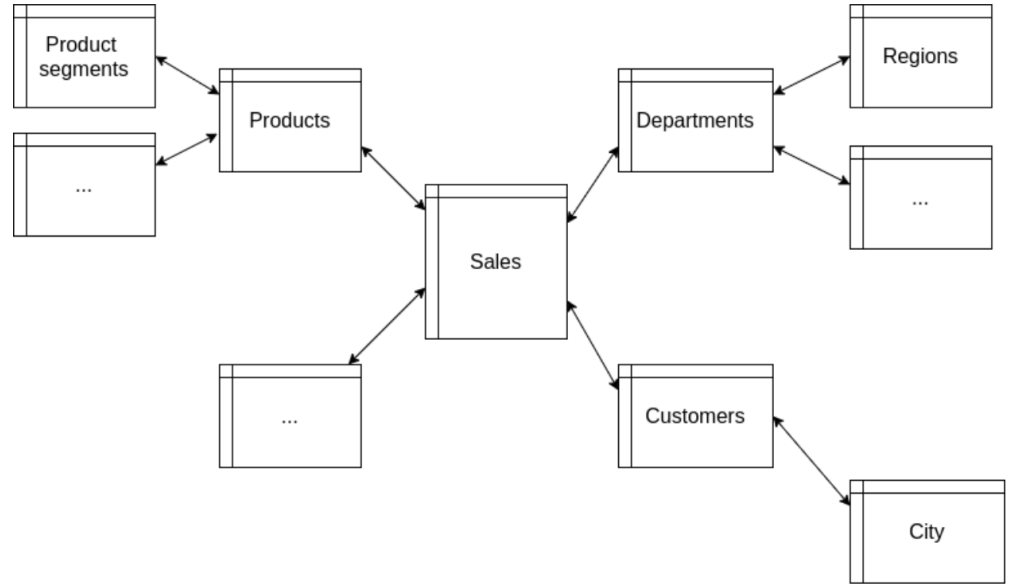
- Basic customization
- No data access
- Share report to colleagues
- No installation required
- Consume Power BI Report Server

ETL AND DATA MODELLING

Star Schema

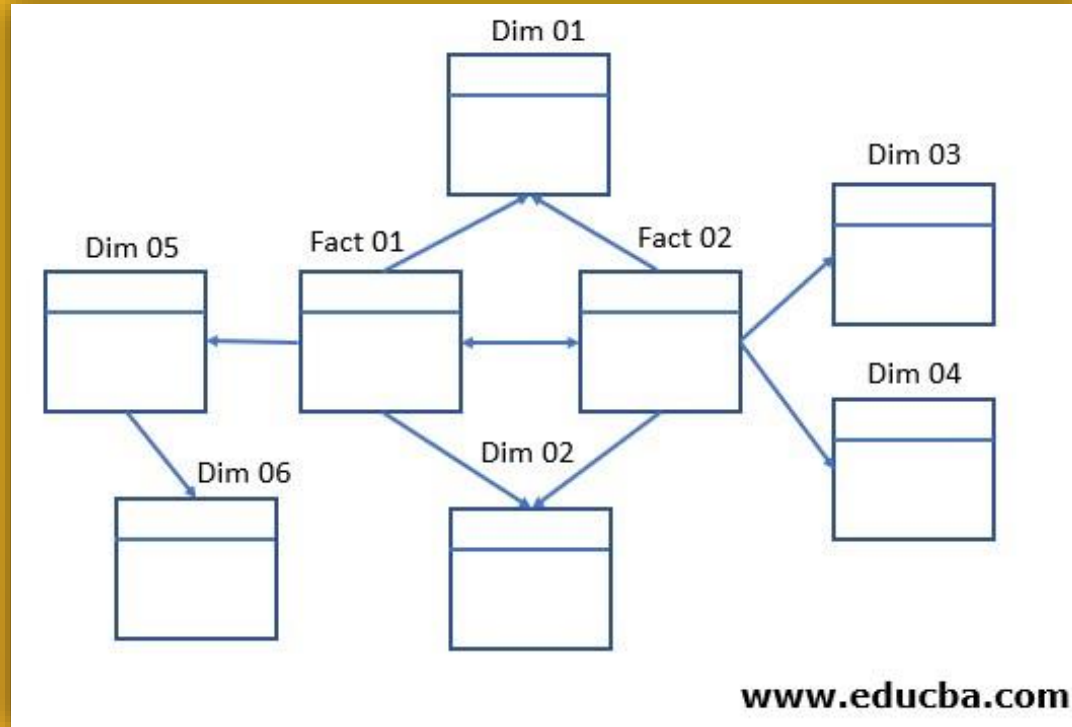


Snowflake Schema



ETL AND DATA MODELLING

Galaxy Schema



LET'S START TO USE POWER BI

Practice makes perfect

MORE RESOURCES

Youtube

Curbal - <https://www.youtube.com/c/CurbalEN/playlists>

Guy in a Cube - <https://www.youtube.com/c/GuyinaCube/videos>

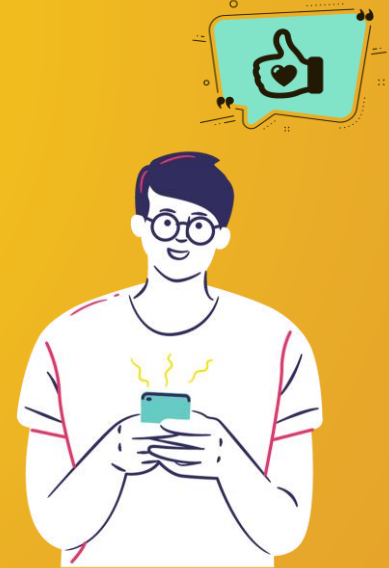
Website

Microsoft - <https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-quickstart-learn-dax-basics>

SQLBI - <https://www.sqlbi.com/topics/dax/>

Q & A AND FEEDBACK

Please leave any questions for us at the chat section. Also, do take some time to provide us your feedback. Your feedback is greatly appreciated!



THANK YOU FOR JOINING US.



Hope you learnt something today :)
Goodbye & have a nice day!

Keep in touch with us!

Mr. Liew Yee Jing



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