Power BI - First Class Notes

What is Power BI?

Power BI is a tool made by Microsoft that helps you understand your data better.

You can use it to pull in data from Excel, databases, or the internet, clean and organize that data, create visuals like charts and dashboards, and share reports professionally.

In simple words, Power BI is like Excel on steroids - it helps you see the story behind your data.

Components of Power BI

1. Power BI Desktop - Main tool to create reports and dashboards.

2. Power BI Service - Online platform to publish and share reports.

3. Power BI Mobile App - View reports on phone/tablet.

4. Power Query - Used for cleaning and transforming data.

5. Power BI Report Server - For storing reports on-premises.

6. Power BI Gateway - Connects local data to Power BI Service and keeps reports updated.

Data View in Power BI

Data View shows the raw data tables loaded into Power BI, like a spreadsheet. You can see rows and columns to verify data values.

Power Query Editor

Power Query Editor is where you clean, shape, and transform your data before using it in reports. Example: remove columns, filter rows, split data, etc.

Model View

Model View shows how your tables are connected through relationships. You can create or edit relationships between tables.

Report View

Report View is where you design your visuals-charts, graphs, slicers, etc. You build your interactive dashboard here.