

# Microsoft Power BI :-

"If you torture the data long enough, it will confess to anything" — Ronald Coase, — N. Price Economist

→ What is Power BI

↳ It is B. Intelligence tool which will help to Clean, analyse and visualize the data by creating reports or dashboards.

↳ Power BI is collection of following components

- ① Power Query :- An ETL tool which helps in Extracting, Transforming & Loading the data, mainly used to clean the data for visualization
- ② Power Pivot :- Used for Data Modeling. Used to connect multiple data sources & create relationship b/w them.
- ③ Power View :- Helps in creating 250+ types of charts for presentation, reports & dashboards
- ④ Power BI Service :- Helps to communicate to user/colleagues via ~~tools~~ reports.

## → Why Power BI?

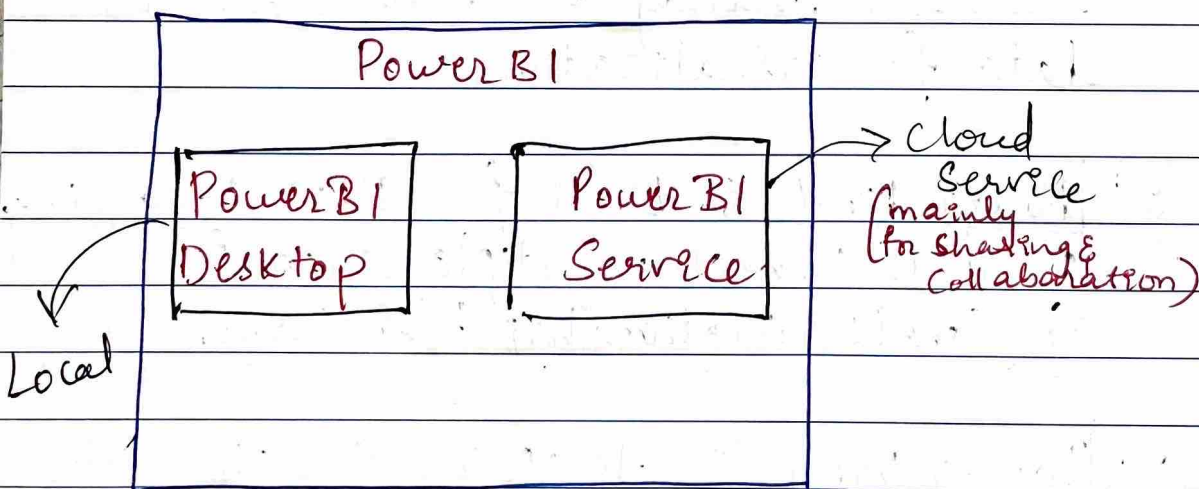
↳ Max features compared to other tools  
(1200 functions, 250-280 Charts/visuals, etc)

↳ Cheapest compared to other tools

↳ Data connectivity is ease & Reads the data for 100+ data sources  
(Excel, SQL, Oracle, Bigdata, Hadoop---- etc)  
Structured — Semistructured — unstructured

↳ Power BI belongs to Leader Magic Quad!

## → How PowerBI works?



↳ Power BI Desktop can pull data from many sources,  
Eg ~~Excel~~ Clean, model the data, Creates reports  
and Charts ~~all these can be~~ Published in Power BI Service