**Power BI**

Power BI is a powerful data visualization and business intelligence tool that allows users to connect to and analyze their data from various sources, including spreadsheets, databases, and cloud-based services.

**Benefits of Using Power BI**

1. Data Integration
2. Real Time Analytics
3. Interactive Visualizations
4. Accessibility
5. User Friendly
6. Drag and Drop Interface
7. Collaboration and Sharing
8. Advanced Analytics
9. Cost Effective
10. Security Features
11. Scalability

**Installing Power BI**

You can buy the pro version or you can use free desktop version.  
Also install Power BI Report Builder.

**Update Power BI features and Updates**

Open the Power BI 🡪 Options and Settings 🡪 Options 🡪 Preview Features 🡪 Checked In the features which you need for your projects.

**Learning Resources for Power BI**

Search Power BI on Google 🡪 Open Microsoft website 🡪 You get the free courses to learn from there.

**Business Intelligence with Power BI**

1. Business Intelligence involves the strategies and technologies used by enterprises for the data analysis of business information. BI provides historical, current, and predictive views of business operations.
2. Data Driven Decisions applied on Business is Business Intelligence.
3. The main purpose of BI is to support better business decision-making.
4. BI tools access and analyze data sets and present analytical findings in reports, summaries, dashboards, graphs, charts, and maps to provide users with detailed intelligence about the state of the business.
5. Power BI integrates well with existing applications, allowing for the automatic extraction and interpretation of data.
6. Power BI dashboards provide a real-time view of business with capability to update automatically with refresh.
7. Rich Customizable Visualizations
8. Advanced Analytics

**Microsoft Power BI Ecosystem**

**Seven Steps Workflow to use Power BI**

1. Connect your Data
2. Transform Data
   1. Data Wrangling
   2. Exploratory Data Analysis
   3. Remove Missing Values
   4. Detect/Remove Outliers
3. Model Data
4. Create Visualization
5. Create Reports
   1. To whom you are making reports, you should know.
6. Publish Reports in Power BI service
7. Distribute Reports