

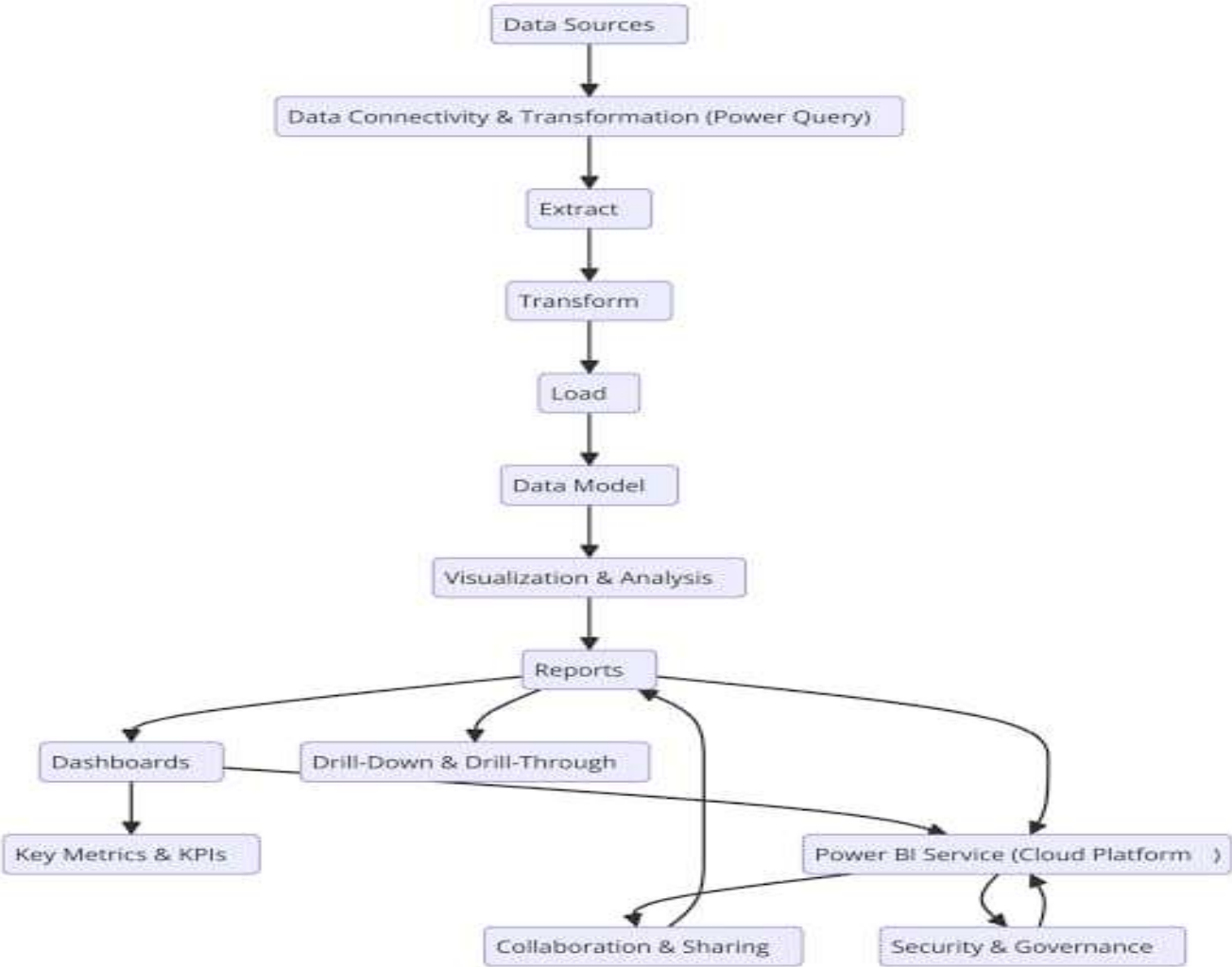
Project Design Phase-II
Data Flow Diagram & User Stories

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|---------------|---|
| Date | 22 March 2025 |
| Team ID | PNT2025TMID06686 |
| Project Name | Global Food Production Trends and Analysis A Comprehensive Study from 1961 to 2023 Using Power BI |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can graphically depict the right amount of the system requirement. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Data Flow Diagram:



User Stories

Use the template below to list all the product's user stories.

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance Criteria | Priority | Release |
|-------------------------|-------------------------------|-------------------|--|---|----------|----------|
| Agronomist / Researcher | Data Collection | USN-1 | As a researcher, I can collect and input global food production data. | I can see raw data stored in the system. | High | Sprint-1 |
| | Data Processing & Storage | USN-2 | As a researcher, I can process and store agricultural production data. | Processed data is saved in the database. | High | Sprint-1 |
| Data Analyst | Data Analysis | USN-3 | As a data analyst, I can analyze trends in global food production. | Trend reports are generated successfully. | High | Sprint-1 |
| | Data Visualization | USN-4 | As a data analyst, I can create Power BI visualizations of food production trends. | Power BI charts are available for insights. | High | Sprint-2 |
| Decision Maker | Reporting & Insights | USN-5 | As a decision-maker, I can view summarized reports for strategic planning. | Reports are available for decision-making. | High | Sprint-1 |