Project Design Phase-II
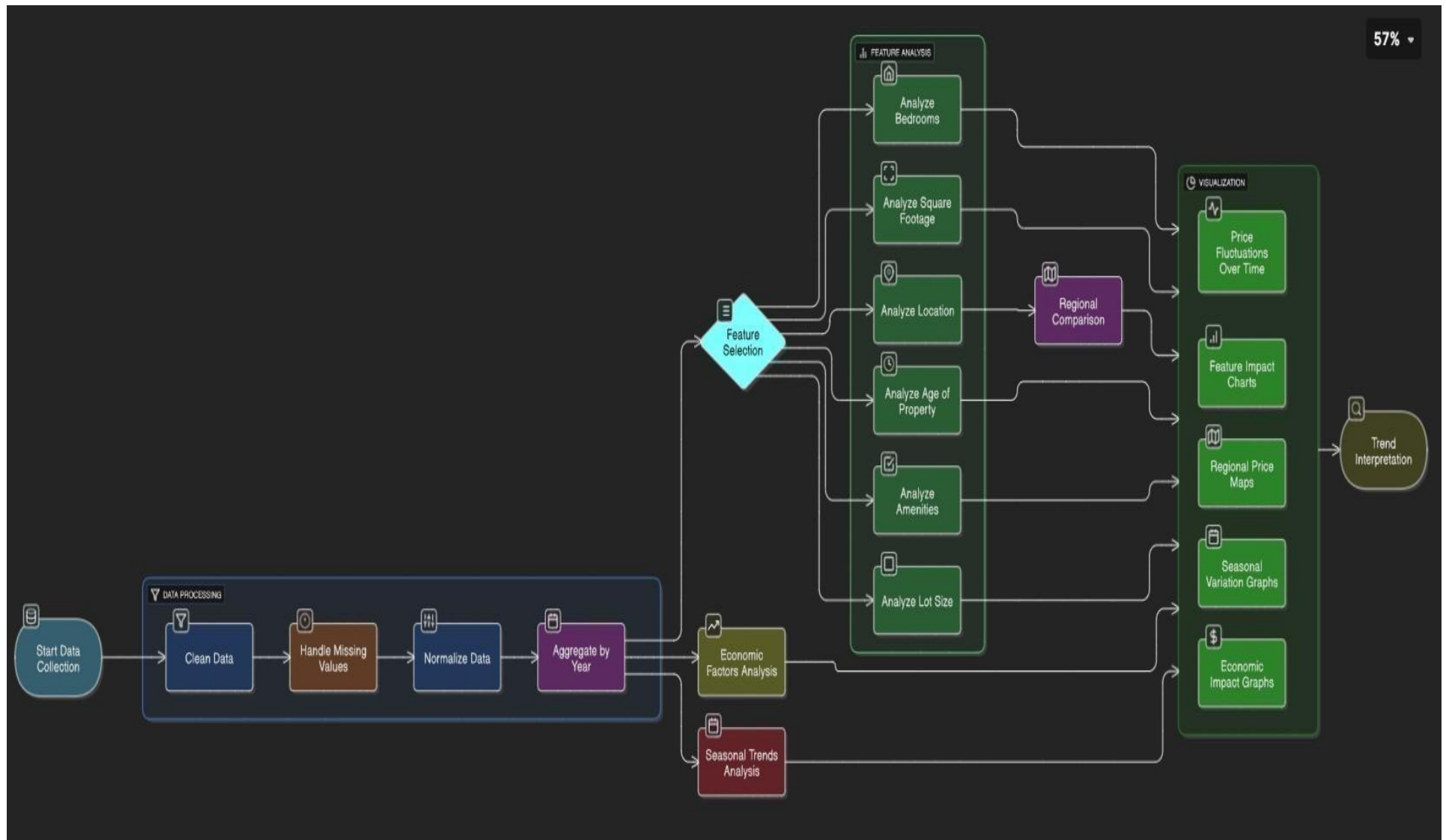# Data Flow Diagram & User Stories

Date	06 February 2026
Team ID	LTVIP2026TMIDS34781
Project Name	Visualizing housing market trends: an analysis of sale prices and features Using Tableau
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 depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

1. **Data collected** from POSOCO in CSV format.
2. **Cleaned and transformed**, with calculated fields like Year and Lockdown.
3. **Visualizations built** in Tableau using multiple worksheets.
4. **Users review** the dashboard and may request changes.
5. **Final version archived** after approval.

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority & Release
Analyst / Policymaker	View Electricity Trends	USN-1	As a user, I want to view electricity usage trends by region and year so I can identify peak periods.	I can filter and view charts for specific regions and years.	High / Sprint-1
Analyst	Compare States	USN-2	As a user, I want to compare the top and bottom electricityconsuming states.	I can view bar charts with top N and bottom N states.	Medium / Sprint-1
Policy Maker	Forecast Planning	USN-3	As a user, I want to analyze seasonal variations in usage to help plan future supply.	I can view monthly and quarterly consumption trends.	High / Sprint-2
Energy Consultant	View Impact of Lockdown	USN-4	As a user, I want to compare electricity usage before and after lockdown.	A before-after lockdown chart is available for selection.	High / Sprint-2
Developer	Connect Data	USN-5	As a user, I want the dashboard to be connected to a live database.	Data refreshes automatically from MySQL to Tableau.	Medium / Sprint-2

| Developer | Export Insights | USN-6 | As a user, I want to export dashboard views for use in presentations. | I can download dashboards as image or PDF formats. | Low / Sprint-3 |