

## Data Collection and Preprocessing Phase

Date	23 June 2025
Team ID	LTVIP2025TMID60951
Project Title	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	3 Marks

### Data Quality Report Template

Data Source	Data Quality Issue	Severity	Resolution Plan
Transformed Housing Data 2	<ul style="list-style-type: none"> <li>Missing values in key attributes.</li> <li>Duplicate records.</li> <li>Outliers affecting analysis.</li> <li>Incorrect data types or formats.</li> <li>Inconsistent data entry.</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>Filling missing values using mean/median/mode.</li> <li>Removing or correcting duplicates.</li> <li>Normalizing or transforming data types.</li> <li>Handling outliers using statistical techniques.</li> </ul>
Transformed Housing Data 2	Duplicate records found (11 instances).	Moderate	Remove duplicate records using data cleaning techniques.
Transformed Housing Data 2	'No of Times Visited' column contains only zero values, which may indicate missing or incorrect data.	High	Verify data source or remove column if it lacks meaningful information.

Transformed Housing Data 2	Zipcode representation is in multiple binary columns instead of a single categorical variable.	Moderate	Convert multiple binary columns into a single categorical 'Zipcode Group' column for better efficiency.
Transformed Housing Data 2	Potential outliers in 'Sale Price' and 'Lot Area' columns.	High	Use statistical methods to identify and handle outliers (e.g., IQR method).