DataCollectionandPreprocessingPhase

Date	11February2026
TeamID	LTVIP2026TMIDS48767
ProjectTitle	VisualizingHousingMarketTrends:An AnalysisofSalePricesandFeaturesusing Tableau
MaximumMarks	2 Marks

VisualizingHousingMarketTrends:AnAnalysisofSalePricesand Features using Tableau

DataCollectionPlanTemplate

Section	Description
ProjectOverview	**VisualizingHousingMarketTrends:-** This project, **"Visualizing Housing MarketTrends:AnAnalysis of Sale PricesandFeaturesusingTableau,"** aimstoexploreandanalyzehousing markettrendsusingthe**TransformedHousingData2**datasetfromKaggle. Theobjectiveistoidentifykeyfactorsinfluencinghouseprices,such as location,size,numberof bedrooms,bathrooms,floorsandbasementarea. Byleveraging**Tableau**,theprojectwillcreateinteractivedashboards,story, bar chart, histogram, summary dashboard to visualize patterns, compare regionalpricevariations,andgaininsightsintohowdifferentfeaturesimpact house sale prices.The analysis will help in making data-driven decisions for buyers,sellers,andrealestateprofessionals.

	Objectives: 1. **UnderstandSalePriceTrends**–Identifypricedistributionand variations based on property features. 2. **FeatureAnalysis**–Examinefactorsinfluencing houseprices,such as **area,bedrooms,andlocation**. 3. **MarketInsights**–Discovertrendsandpatternstoassist**buyers,sellers, and real estate professionals**. 4. **Data-DrivenDecisionMaking**–Usevisualizationstointerpretmarket conditions effectively.
DataCollectionPlan	TheData iscollected fromthe"KAGGLE" **VisualizingHousingMarketTrends:AnAnalysisofSalePricesand Features using Tableau**Link: https://www.kaggle.com/datasets/rituparnaghosh18/transformed-housingdata-2
RawDataSources Identified	TransformedHousingData2from KAGGLE. This dataset contains **21,609** house sale records with various attributes such as **sale price, number of bedrooms, square footage, location, and additional features**. The data has been pre-processed and transformed for analyticalpurposes.Thereareatotalof31columns,outofwhichSalePrice can be supposedly taken as a dependent variable. The other variables are different features, locations and date, etc. regarding the houses.

RawDataSourcesTemplate

SourceName	Description	Location/URL	Format	Size	AccessPermissions
Transformed HousingData 2	Thisdatasetcontains 21,609 house sale recordswithdetails such as price, area, numberofbedrooms, and other property features.	[KaggleDataset Link](#)	CSV	10 MB	Public