Melbourne Housing Market Dataset Documentation

Dataset Name: Melbourne Housing Market Dataset
File Name: `melb_data.csv`

Overview:
This dataset contains property sales information for homes sold in Melbourne, Australia. It includes details like the number of rooms, type of property, land and building area, price, location, and other real estate-related attributes.

Structure: - **Rows:** 13,580 entries (individual property records) - **Columns:** 21 features (mix of numerical and categorical data)

Column Descriptions:

Column Name	Description
Suburb	Suburb where the property is located
Address	Full address of the property
Rooms	Number of rooms (typically bedrooms)
Type	Property type: `h` = house, `u` = unit, `t` = townhouse
Price	Sale price (in Australian Dollars)
Method	Method of sale: `S`, `SP`, `PI`, `VB`, etc.
SellerG	Real estate agency name
Date	Date of property sale
Distance	Distance from Melbourne CBD (in km)
Postcode	Postal code of the property location
Bedroom2	Number of bedrooms (often same as Rooms)
Bathroom	Number of bathrooms
Car	Number of car parking spaces
Landsize	Size of the land in square meters
BuildingArea	Area of the building in square meters
YearBuilt	Year when the property was constructed
CouncilArea	Governing council region

Column Name	Description
Lattitude	Geographic latitude of the property
Longtitude	Geographic longitude of the property
Regionname	Broader region of Melbourne (e.g., Northern Metropolitan)
Propertycount	Number of properties that exist in the suburb

Missing Data Notes: - `Car`: 62 missing values - `BuildingArea`: ~47% missing - `YearBuilt`: ~40% missing - `CouncilArea`: 1,369 missing values

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Sample Entry: - **Suburb:** Abbotsford
- **Address:** 85 Turner St
- **Rooms:** 2
- **Type:** h
- **Price:** 1,480,000
- **Method:** S
- **SellerG:** Biggin
- **Date:** 3/12/2016
- **Distance:** 2.5
- **Postcode:** 3067

Applications: - Predicting property prices - Real estate market analysis - Urban planning insights - Geographic clustering and segmentation