Title: **"Unlocking Insights: Exploring the KC\_House Dataset of Home Prices"**

Content:

In this episode, we'll delve into the fascinating world of real estate data science as we explore the KC\_House dataset, a comprehensive collection of home prices in the vibrant housing market of Kansas City. The dataset is a treasure trove of information, providing valuable insights into the factors influencing home prices.

Dataset Columns:

* id: Unique identifier for each property.
* date: Date of the property sale.
* price: The sale price of the home.
* bedrooms: Number of bedrooms in the property.
* bathrooms: Number of bathrooms in the property.
* sqft\_living: Square footage of the living space.
* sqft\_lot: Square footage of the entire lot.
* floors: Number of floors in the property.
* waterfront: Binary indicator for waterfront property (0 or 1).
* view: Rating of the view from the property.

Linear Regression Task:

Task: Build a linear regression model to predict the sale price of homes in the KC\_House dataset. Use features such as bedrooms, bathrooms, sqft\_living, floors, waterfront, and view. Split the dataset into training and testing sets, train the model on the training set, and evaluate its performance on the testing set. Discuss the insights gained from the model, including the significance of each feature in predicting home prices.