

# Problem Statement

- Domain: Real Estate (Housing Market Analysis)
- Business Context - A condo or condominium is a residence owned by an individual/Group of Individuals in a high-rise building with many similar units. The sales data of Condominium in Boston, Massachusetts is accessed to analyze and interpret the real estate sales condition.
- Dataset description:

| Name            | Description   |
|-----------------|---|
| Sales_ID        | Serial No of transaction  |
| Sale Price      | Price at which the house was sold for (USD)   |
| Property_ID     | Address   |
| Street Number   | Street number   |
| Street Name     | Street name   |
| Unit            | The unit number of the house (Taken from the address)   |
| Area            | Area / Locality   |
| First Price     | Upper limit of price range put up by the seller (USD)   |
| Last Price      | Lower limit of price range put up by the seller (USD)   |
| First Date      | Date at which the condo first became available for sale   |
| Close Date      | Date at which the condo was sold  |
| Interior(Sq Ft) | Sq Feet of condo (Total)  |
| # of Bed        | No of bed rooms   |
| # of Bath       | No of bathrooms   |
| # of Rooms      | Total number of rooms   |
| Condo Fee       | The fee associated for maintainece, public common property etc  |
| Tax             | Property tax (USD)  |
| RC              | This is a boolean value. RC -0 allows home owners to stictly use the condo for residential purposes only<br>RC - 1 allows home owners to use the property aas residential as well as Small commerical establishments (Like having a boutique, florist, boulangere/Bakery in their home) |

| Area | Zip Code |
|------|----------|
| CP   | 2108     |

|    |      |
|----|------|
| M  | 2112 |
| W  | 2116 |
| AG | 2120 |
| PS | 2124 |
| HS | 2133 |
| AH | 2201 |
| RA | 2206 |
| C  | 2215 |
| E  | 2266 |
| N  | 2295 |
| FP | 2109 |
| RS | 2113 |
| SH | 2117 |
| K  | 2121 |
| NW | 2125 |

- Objective of the project: To emphasize on learning by doing and to give learners a glimpse of real world visualization problem
- Learning Outcomes: Visualization using Tableau, Understanding of Real Estate Market
- Marks Distribution - 50 marks

| Grading Criteria  | Pts      |
|---|----------|
| Learning Outcome1. Insights/Findings : Make sure you articulate your insights in the story caption.   | 15.0 pts |
| Learning Outcome2. Story layout: The story must be logical and address a specific purpose and audience.   | 15.0 pts |
| Learning Outcome3. Usability/Elimination of Visual Clutter: Do ensure your story is interactive (Use of filters Parameters, Actions, etc) and the overall view contains minimal clutter (Appropriate selection of Colours, size, tooltips). | 10.0 pts |
| Learning Outcome4. Appropriate chart / Table selection: Your selection of charts needs to aid in cognition.   | 10.0 pts |