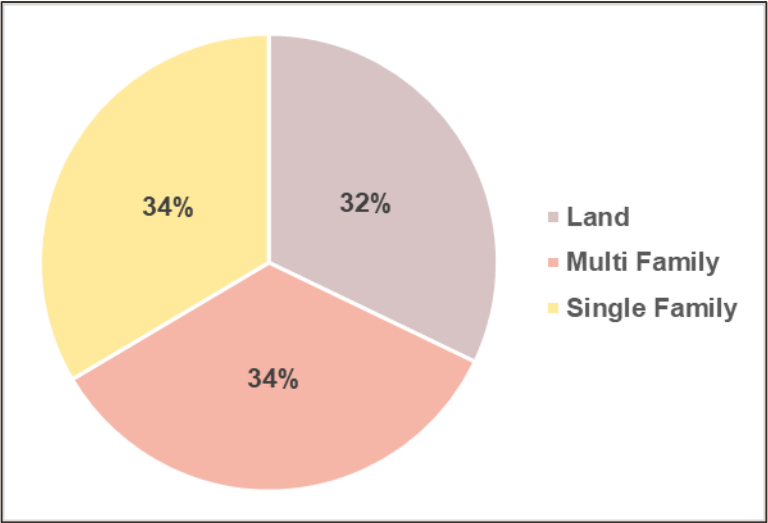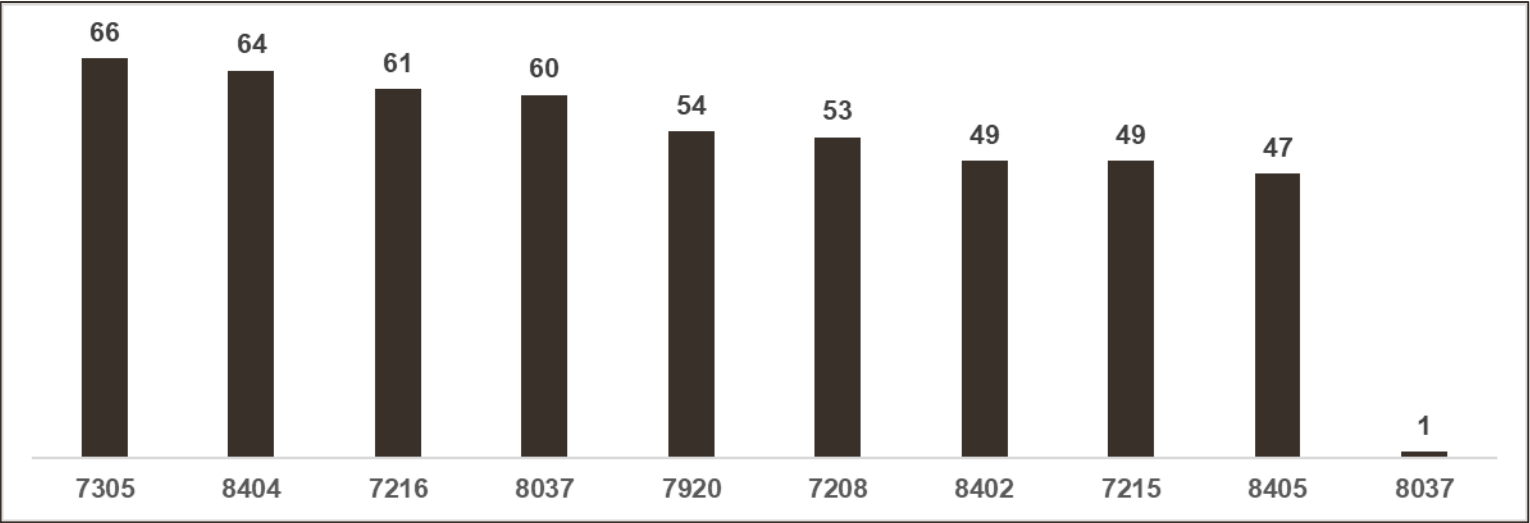# Assignment – Rohit Garg

- **Zip code analysis – distribution between Land, Multi Family & Single Family <u>and</u> distribution of count**

- **Bin analysis - #bedroom vs #bathrooms <u>and</u> house size vs #beds+baths**

- **Amount analysis (1) – distribution of listing price <u>and</u> distribution of sold price**

- **Amount analysis (2) – distribution of listing price <u>and</u> distribution of sold price**
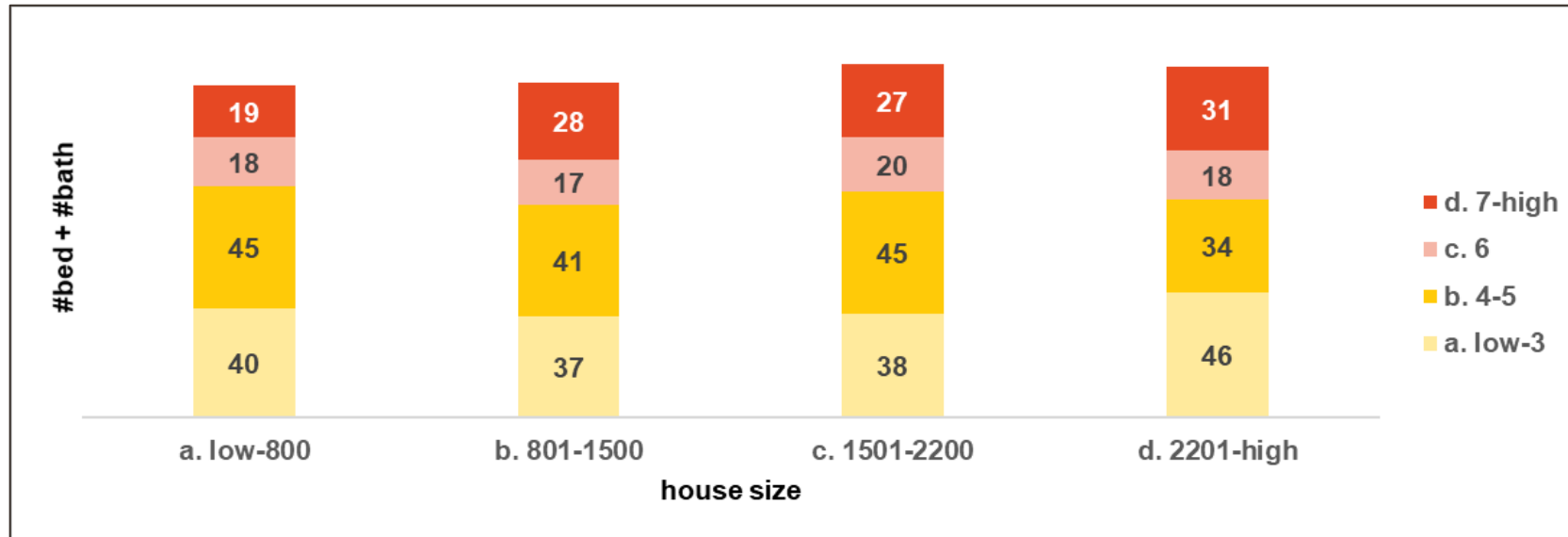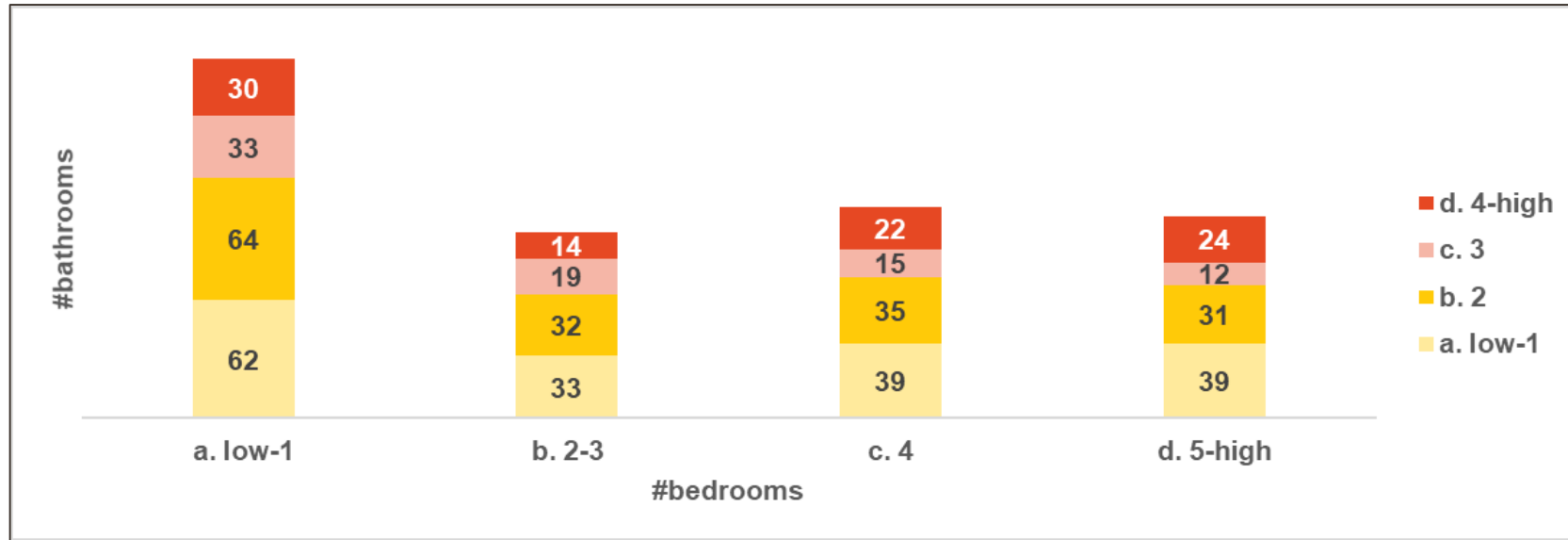
Zip Code Analysis

city	zip_code	Population
Hudson County	7305	38,100
Atlantic City	8404	26,700
Elizabeth	7216	6,300
Hammonton	8037	71,187
Basking Ridge	7920	21,000
Elizabeth	7208	20,670
Atlantic City	8402	19,500
Elizabeth	7215	79,500
Atlantic City	8405	136,800
Hudson County	8037	71,187

- There are 504 observations in the dataset

- Elizabeth has lowest population but 61 properties are listed

- Atlantic City has highest population but 47 properties are listed

- Hudson County only 1 property is listed

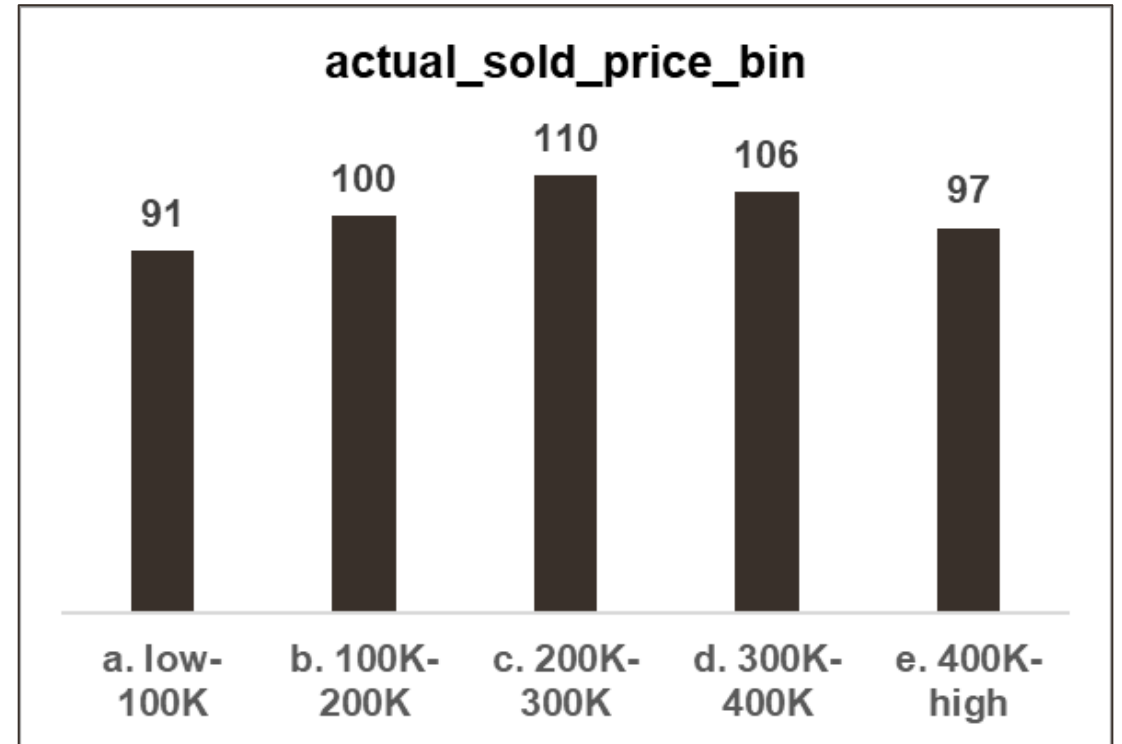- Equal distribution between Land, Multi Family and Single Family
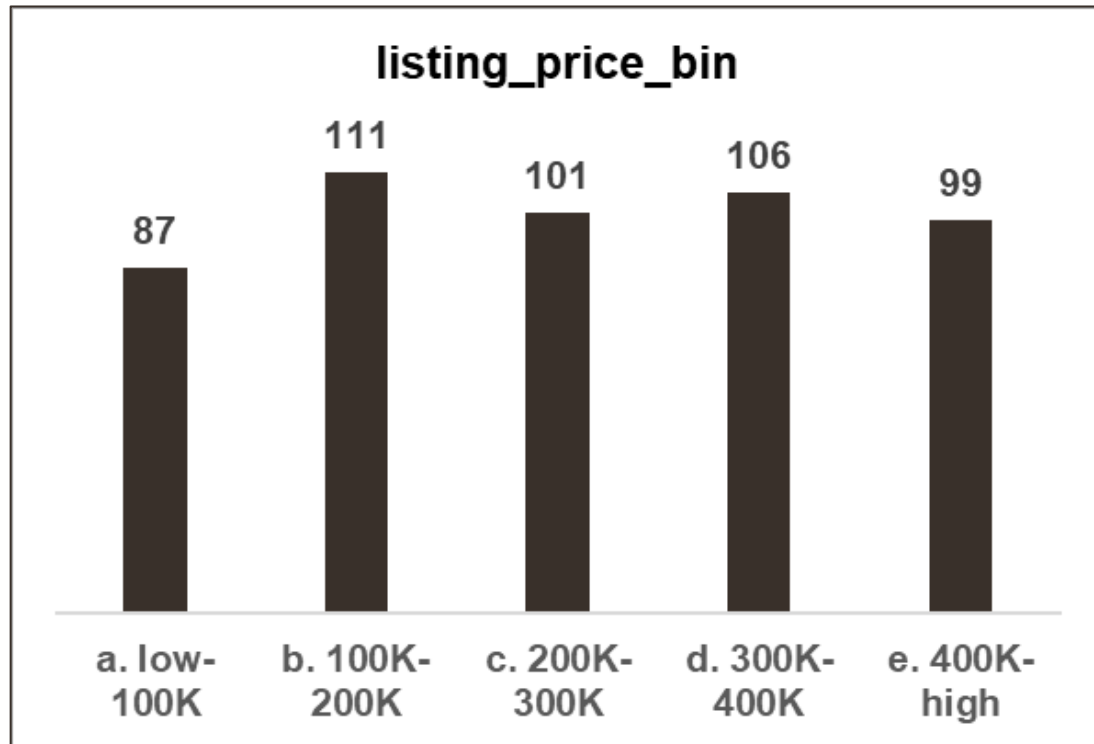
Bin Analysis

- Y axis - #bathrooms

- X axis - #bedrooms

- **Most of the properties have 1 bedroom**

- **Equal distribution of properties that have 2-3 bedrooms, 4 bedrooms and 5+ bedrooms**

- Y axis – house size

- X axis - #bed + #bath

- **Equal distribution of properties that have low-800 size, 801-1500 size, 1501-2200 size and 2201-high size**

Amount Analysis (1)

status	id
Pending	255
Sold	249

- **Out of 504 properties, only 249 are sold**

- **For listing and sold price all the properties are considered**

- **Listing price (min = 12K, avg = 254K and max = 500K)**

- **Actual sold price (min = 11K, avg = 256K and max = 500K)**

listing_price_bin

a. low-100K	b. 100K-200K	c. 200K-300K	d. 300K-400K	e. 400K-high
87	111	101	106	99

actual_sold_price_bin

a. low-100K	b. 100K-200K	c. 200K-300K	d. 300K-400K	e. 400K-high
91	100	110	106	97

Amount Analysis (2)

- **Avg sold price >>> avg list price: Elizabeth (7215), Elizabeth (7208). Elizabeth (7216) and Atlantic City (8404)**

- **Avg sold price <<< avg list price: Hammonton (8037), Basking Ridge (7920) and Atlantic City (8405)**