

1. For the first sketch, I made a scatterplot of the housing price by size and amenities. I mapped the number of amenities to the shape of each point, with price on the y axis and size on the x axis. I think this plot is effective in showing the relationship between price and size, and readers can also see how the number of amenities affects the price. Even though the plot is effective, it is quite simple, so I would rate it a 2.

2. For the second sketch, I made a "paired" bar plot of average housing price by amenities and location (distance from closest supermarket). I grouped all the houses with preferable distance together and those without together, and separated them by number of amenities. This plot can only show average price, but it gives a great summary of the housing market, so I would rate it a 3.

3. For the 3rd sketch, I made a diverging bar plot of average housing price by number of amenities. The middle line shows the average price of a house on the market, and the bar shows the difference in price of that compared to average price of houses with a certain number of amenities. The plot does not have a lot of granular information, so I would rate it a 3.

