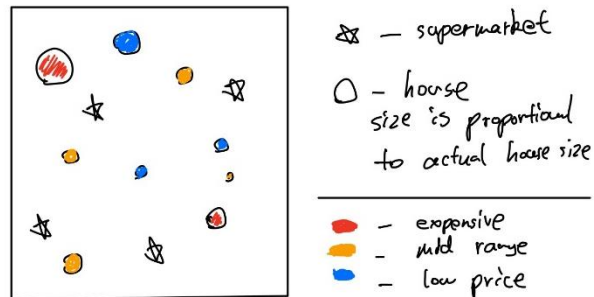


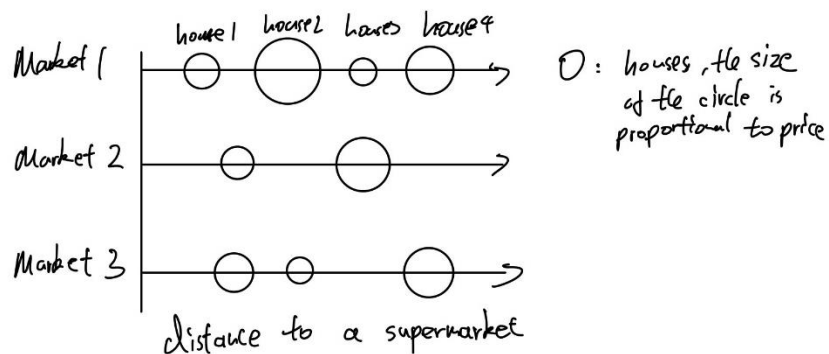
Visual Vocabulary Assignment

sketch 1: Proportional symbol map + color-coding



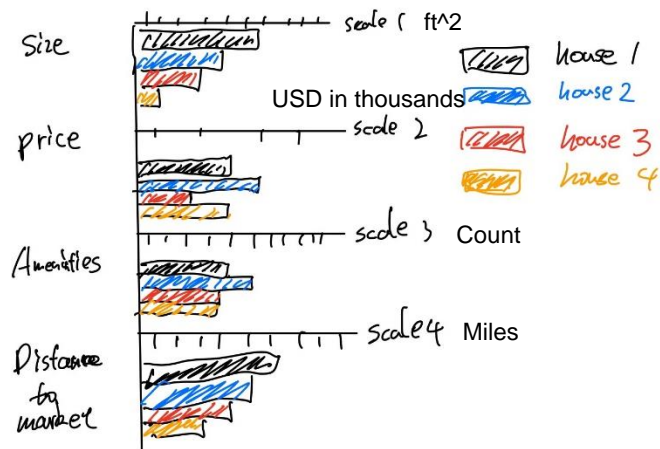
The first sketch utilizes a proportional symbol map and color-coding to demonstrate the size, price, and distance to markets of a particular house. The size of house is correlated with the size of the circle; the price of the house is converted into an ordinal scale shown by the color codes. Lastly, the distance to supermarkets is directly shown by the distance between stars and the house. This is a very effective and direct way to demonstrate this information as house-buyers will want to take a look at the physical locations of a house for sure. The added dimensions of this visualization can convey just enough additional info to make this worth the while for prospective buyers. I give this a rating of 1.

Sketch 2: Modified circle timeline



The second sketch is a variation of the circle timeline where the x-axis represents distance to a specific supermarket in the neighborhood. The size of the circle correlates to the size of the houses, and each circle would have a short text next to it indicating its identity. This visualization really focuses on the distance to the supermarket as the main stat. For people who really value convenience, this will be a very helpful graph. However, this visualization doesn't really convey spatial information too well and I couldn't find a way to add additional information aside from color-coding. Thus, I give this a 3.

Sketch 3: Paired bars



Lastly, I used a paired bars graph to showcase all four pieces of information of a house simultaneously. Each metric is directly reflected by the width/height of a bar. Color coded bars can help to distinguish between the different houses in the market. This is a fairly clean and low-fuss visualization. However, this presentation only works where there is a small number of houses shown, and it will require four different scales to accommodate different units. But, as the sketches shows, this is a very good stat comparison approach for this task. Thus, I am giving this a 2.