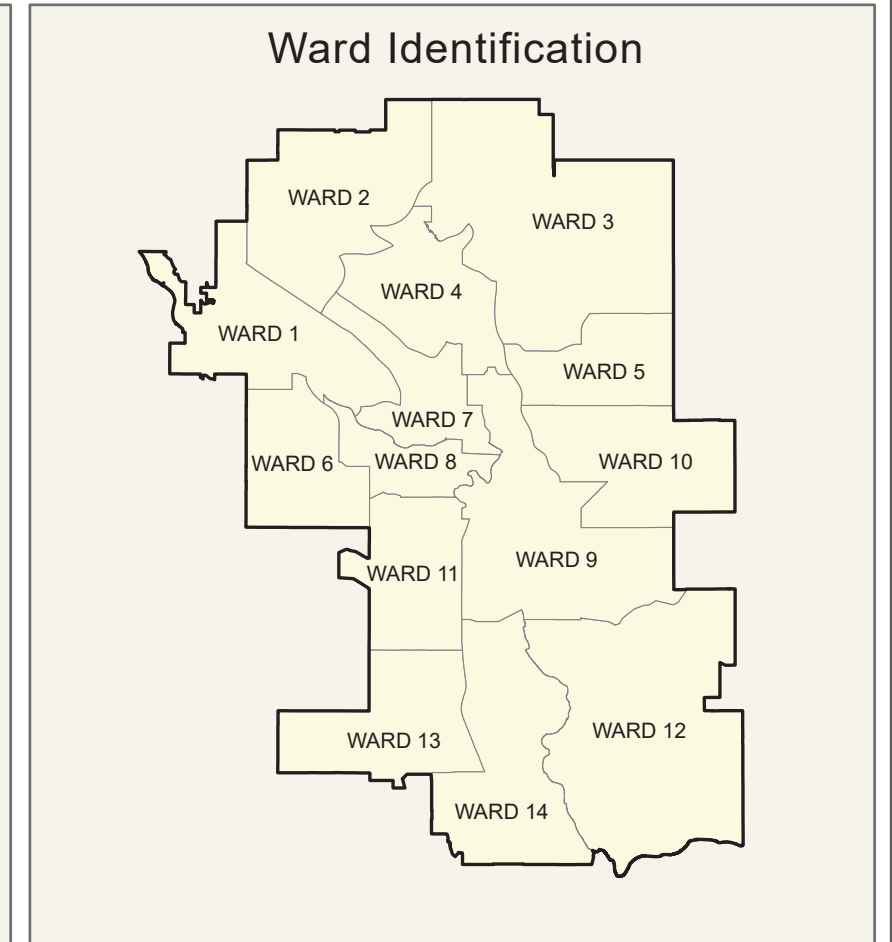
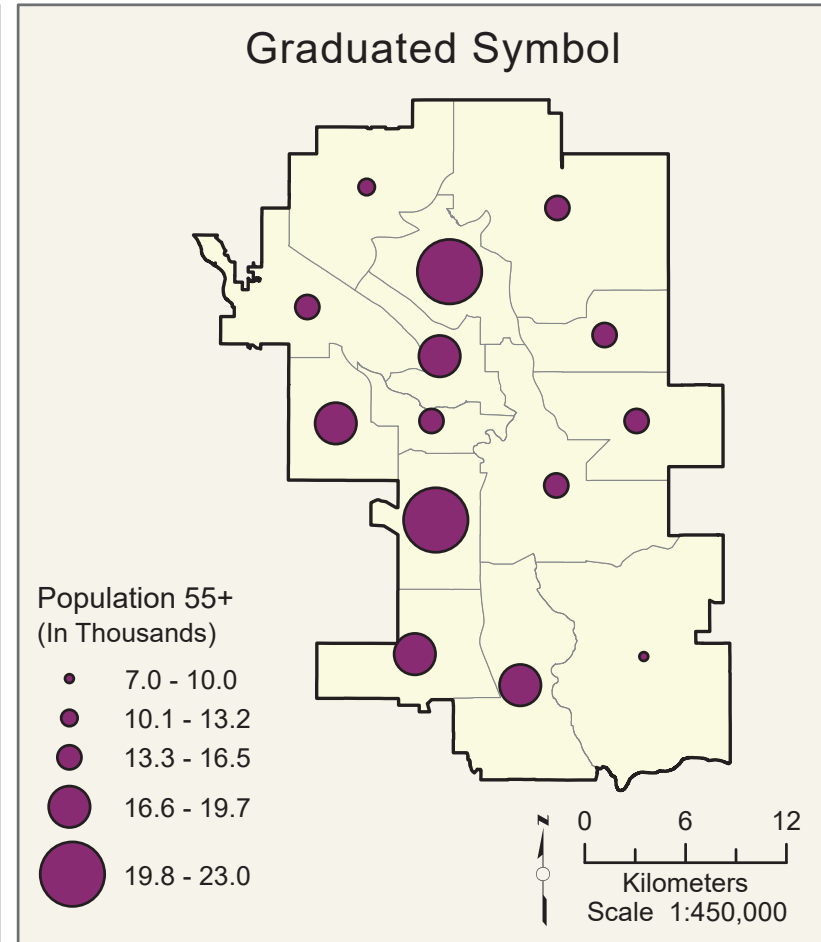
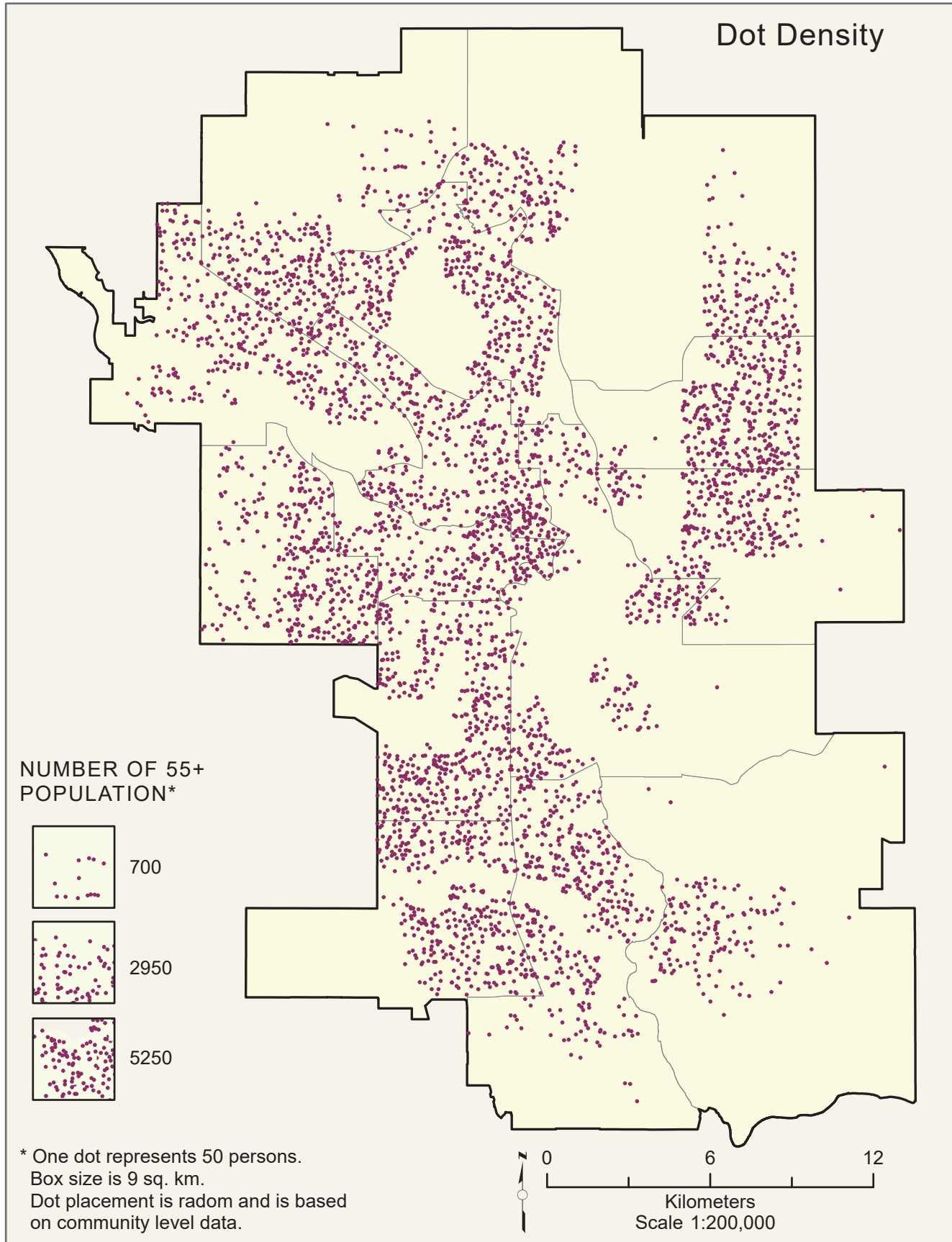


DISTRIBUTION OF AGE 55+ POPULATION IN CALGARY

Representation by Ward - 2014



Strength and Weakness of Dot Density Map Versus Graduated Symbol Map

The dot density map shows the spatial trend and pattern but not the actual value of each dot represented. As shown in the map layout, the dot density map represents quantity, trend, and pattern using multiple dots. The dot density map shown in the layout relies heavily on visual scattering to show a spatial pattern. It is important to note that with the dot density map, each dot represents a constant number of things, people, or other phenomena.

The Graduated Symbol map shown in the layout scales the size of symbols proportionally to the quantity or value at the location. The quantities were divided into classes and the classes were created using the equal interval data classification technique consisting of six (6) separate classes that have a specific size dot depending on where the community population fell in. The graduated symbol shows the differences between mapped features by varying the size of symbols.

In the comparison of both mapping methods, spatial pattern and difference in the magnitude of a phenomenon are more easily visualized with the Graduated Symbols because larger symbols are naturally associated with a greater amount of something. Dot Density maps however show greater spread of a phenomenon.