Map:

A map of a neighborhood

Description automatically generated

Scripts:

library(sf)

library(tmap)

# readings files

Champaign\_tracts = st\_read("Lab1\_data/Champaign\_county\_census\_tracts.shp")

Champaign\_Zips = st\_read("Lab1\_data/Champaign\_county\_zip\_codes.shp")

## FIRST LAYER: CENSUS TRACT BOUNADRIES

tm\_shape(Champaign\_tracts) + tm\_fill(col = "gray90") +

tm\_borders(alpha=0.2, col = "gray10") +

## SECOND LAYER: ZIP CODE BOUNDARIES WITH LABEL

tm\_shape(Champaign\_Zips) + tm\_borders(lwd = 2, col = "#0099CC") +

tm\_text("zip", size = 0.7) +

## MORE CARTOGRAPHIC STYLE

tm\_scale\_bar(position = ("left"), lwd = 0.8) +

tm\_layout(frame = FALSE, main.title = "Census tracts and zip code boundaries, Champaign County, IL", main.title.size=0.86

)