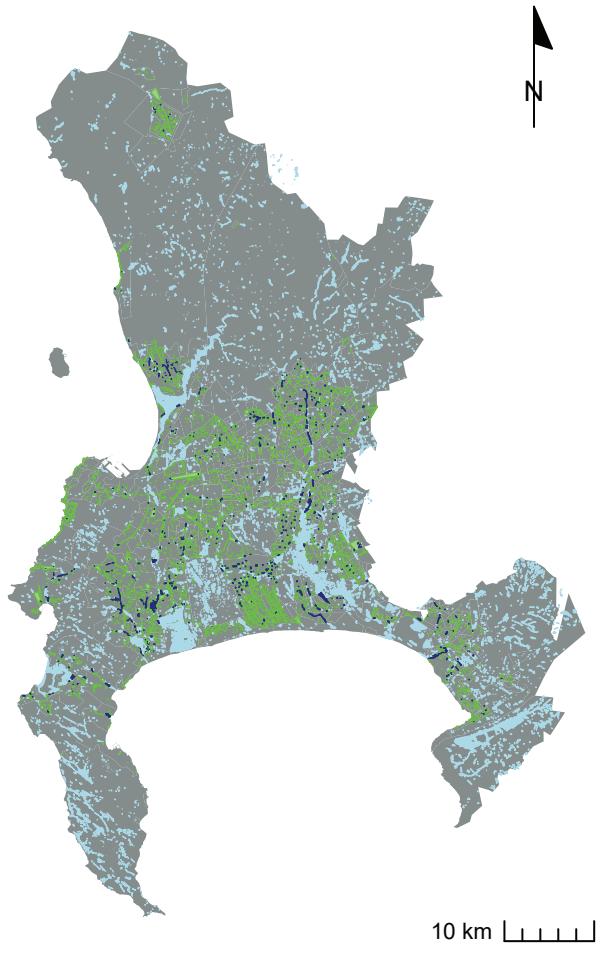


Cape Town Open Data Portal

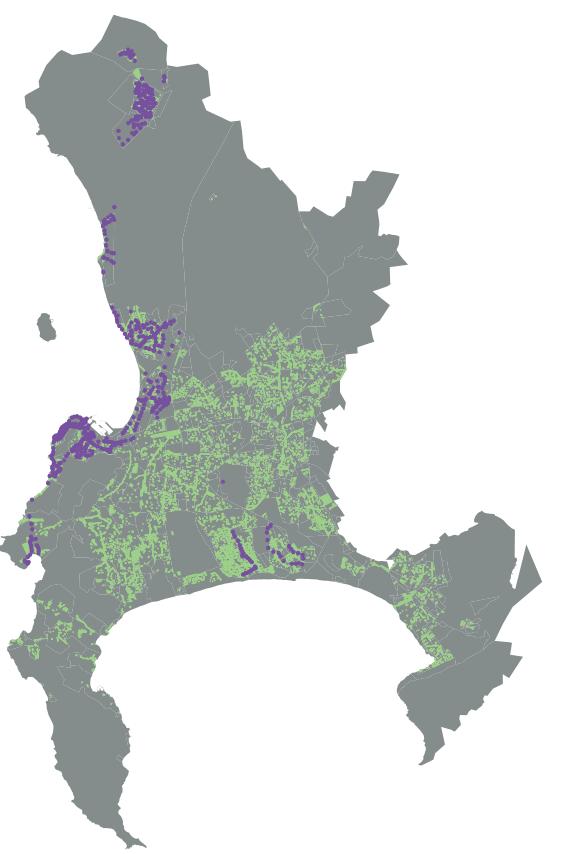
Anishta Khan

I used R to do my calculations and plot all four maps, then used Adobe Illustrator to place all the maps in one board and make the first two legends. I worked on this with Ellie, Roua, Sulaya, Zebeeb, and Jada. Ellie's knowledge on merge and cbind functions were especially helpful. Special shoutout to our TA Nur for taking time out of his day to help us outside of office hours!

Percentage of the stormwater water area that is located in parks = 5.13%



Number of BRT stops with a park within ten meters*

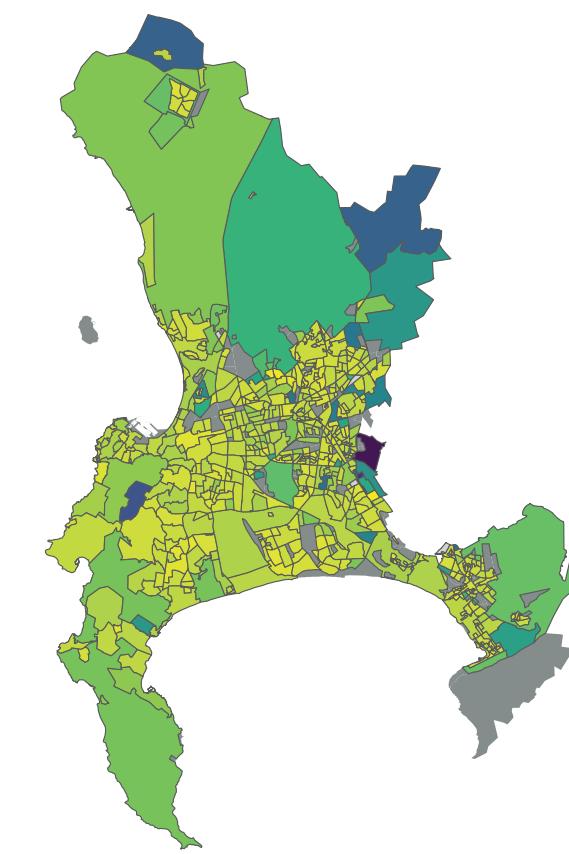


- Bus stops (purple)
- Parks in a ten meter radius (green)

*Using the WGS 84 / UTM zone 34S projection, we calculated 99 bus stops. UTM zone 34S was suggested in R when we used the crssuggest function.

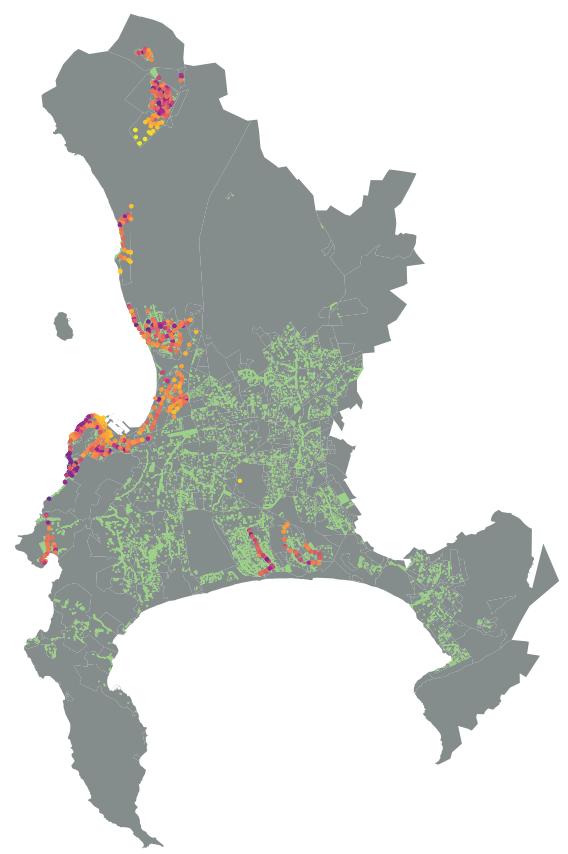
Using the default projection, we calculated 88 bus stops.

Percentage of the area of each suburb covered by parks



- Percent covered by parks (log scale)
 - 2.71 e+00
 - 2.48 e-03
 - 2.26 e-06
 - 2.06 e-09
 - N/A

Distance from each BRT stop to the closest park



- Bus stop distance to closest park (log scale)
 - 2981
 - 148
 - 7
 - Parks