

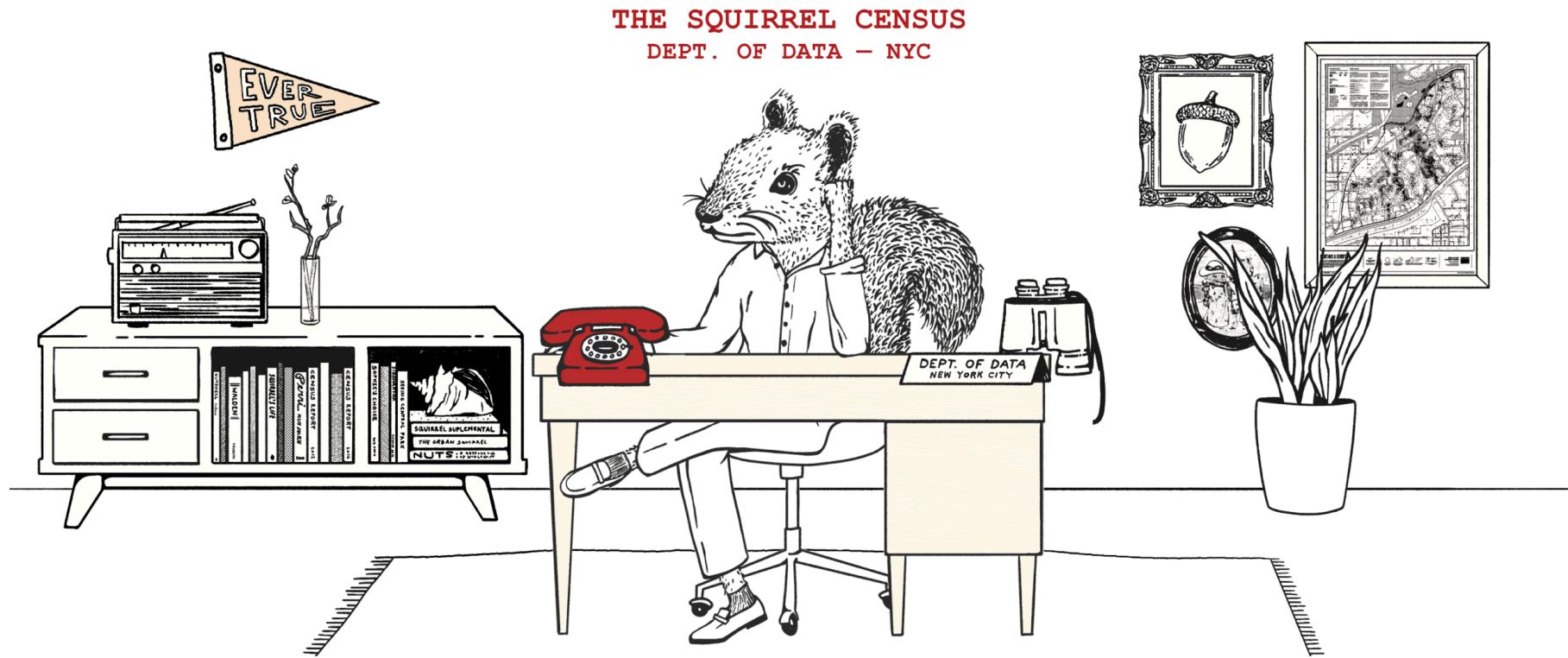
The Central Park Squirrel Census

Aleksandra Frania | MADS

2024-01-20

About the data set

- Data collected for the 2018 Squirrel Census project in NYC
- 3,023 unique squirrel sightings throughout October 2018
- 31 columns including squirrel location, fur color, reaction to humans, etc.

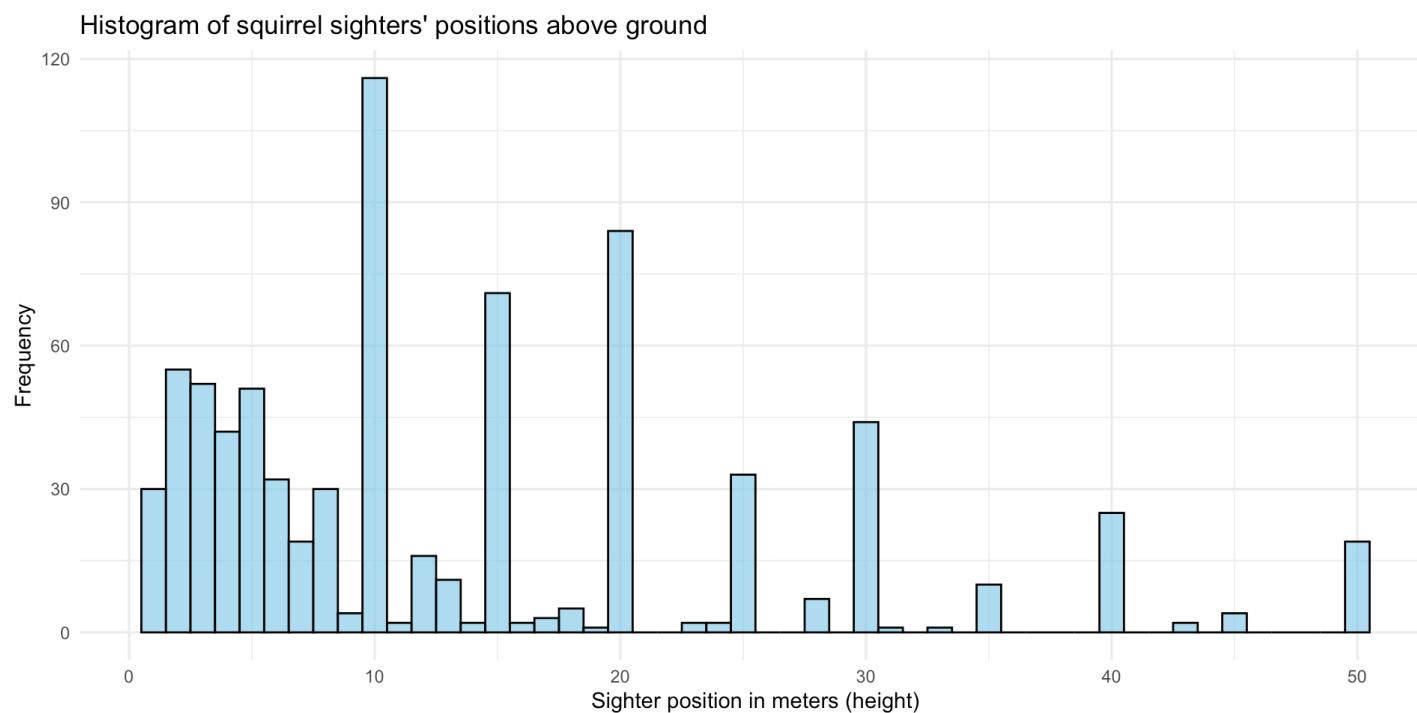


Not much to summarize, but...

... about the above ground sighter measurement

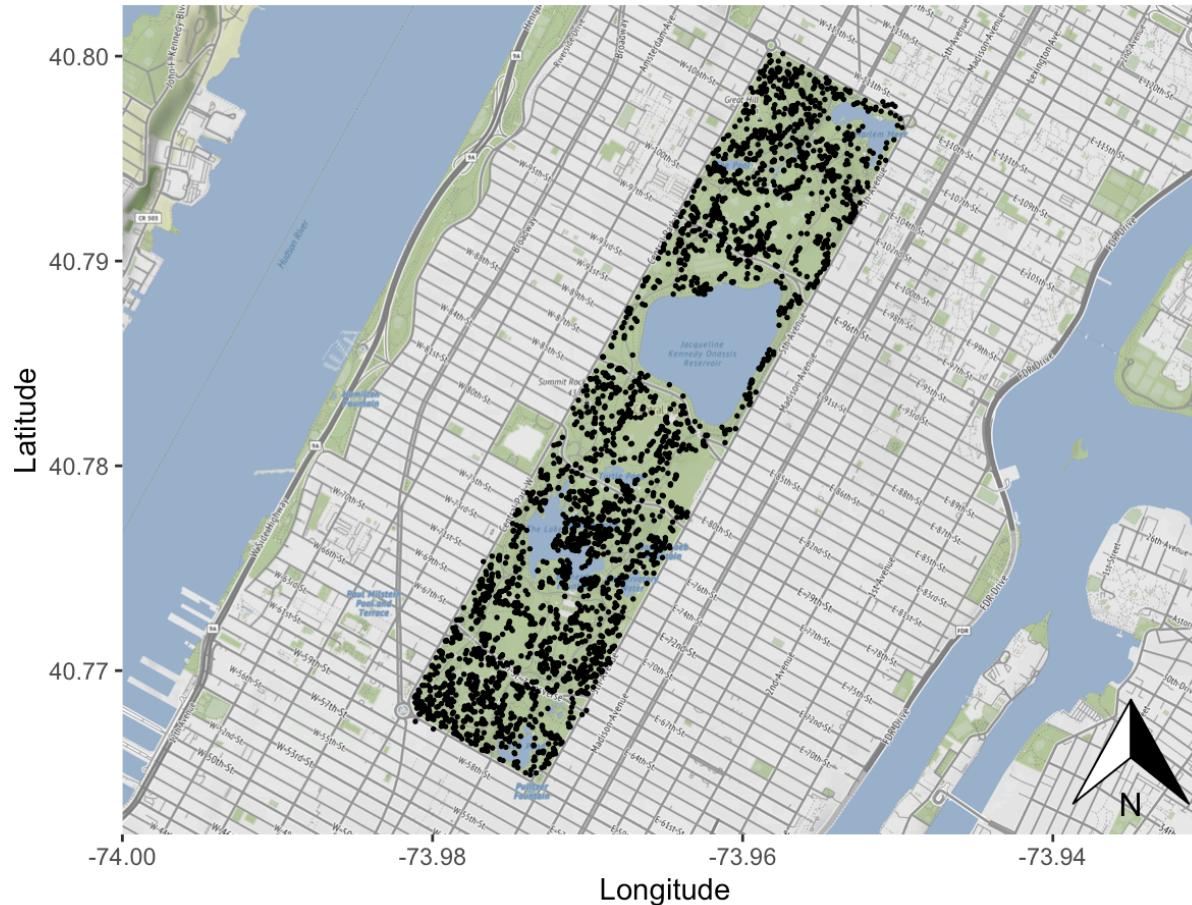
```
min max q25 median q75      mean      sd
1     0 180    0        0    3.990076 10.3814
```

Most values are 0 and the maximum is very high, let's see how values different from 0 behave, also excluding the worst outliers:



All sightings on one map

Squirrel sightings in Central Park, October 2018

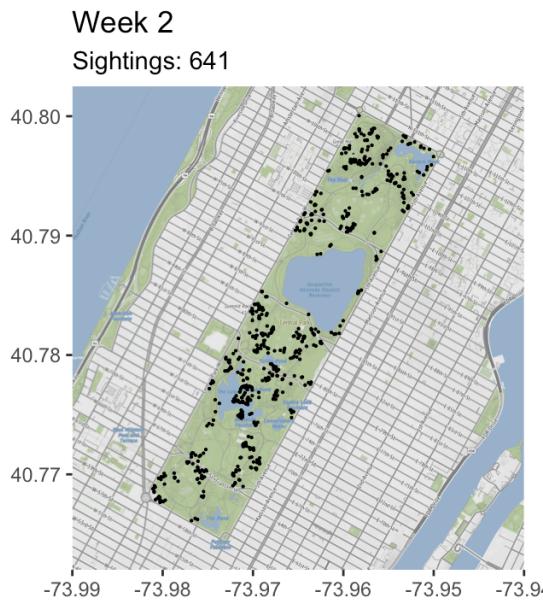
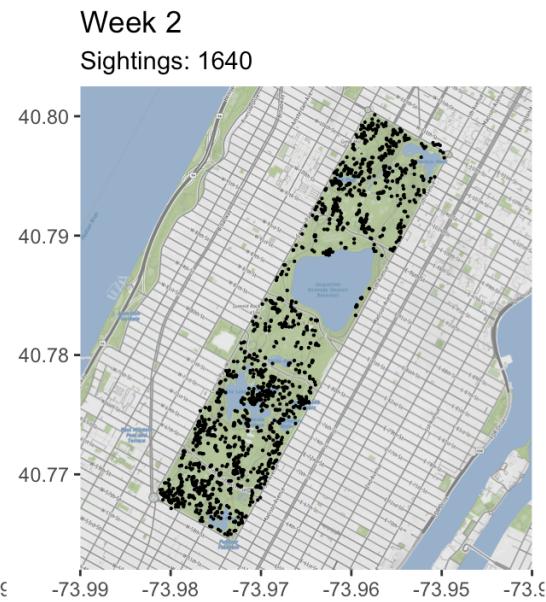
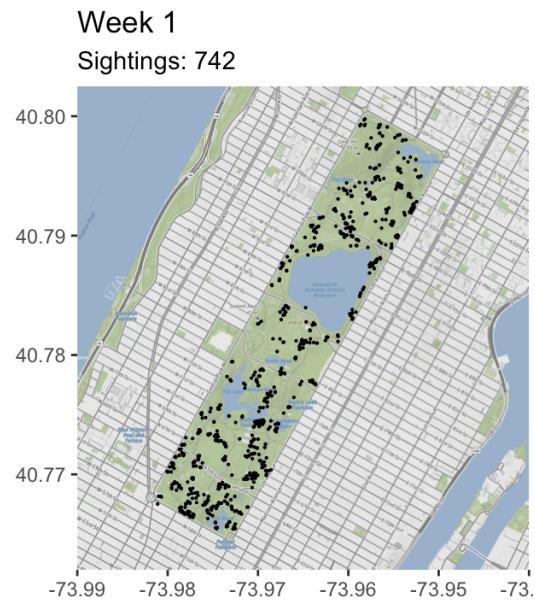


Sightings throughout the month

The sightings took place on only 11 out of 31 days

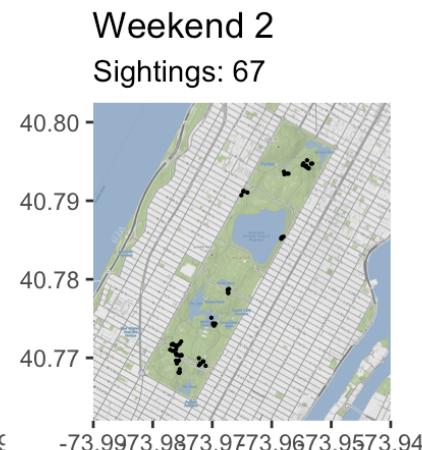
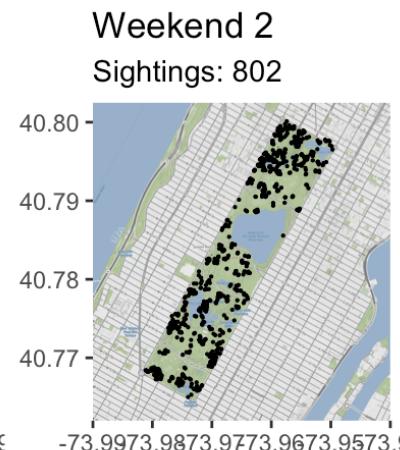
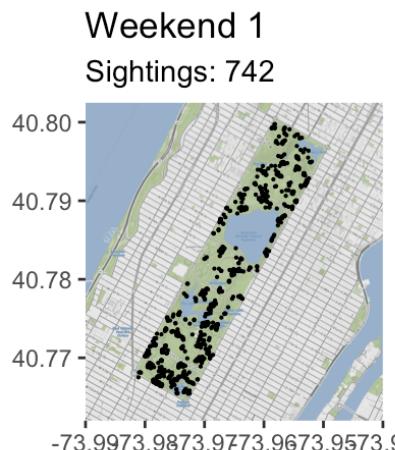
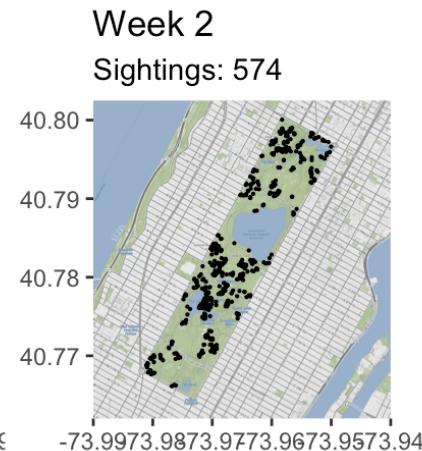
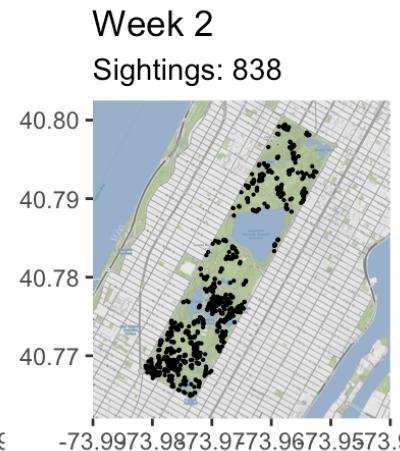
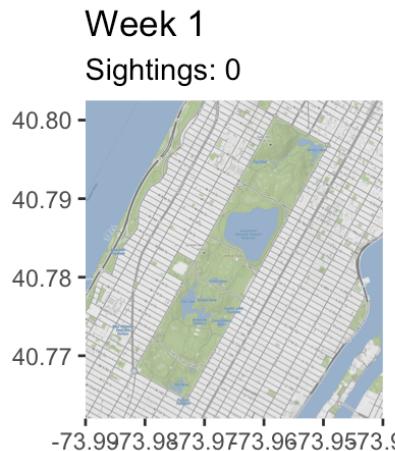
Shiny applications not supported in static R Markdown documents

Sightings during the first 3 weeks of October 2018



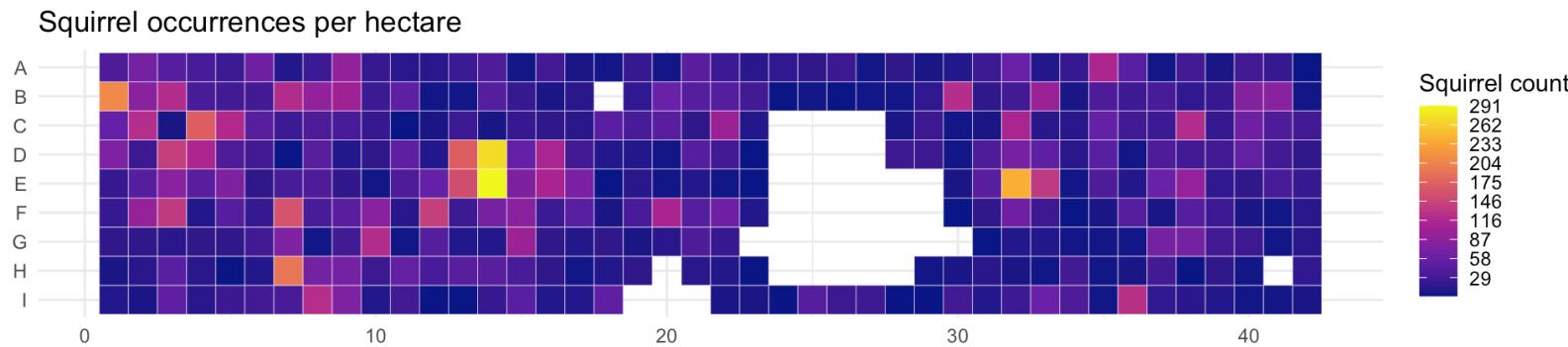
It looks like week 2 was the busiest!

Week vs Weekend



Hectare sightings

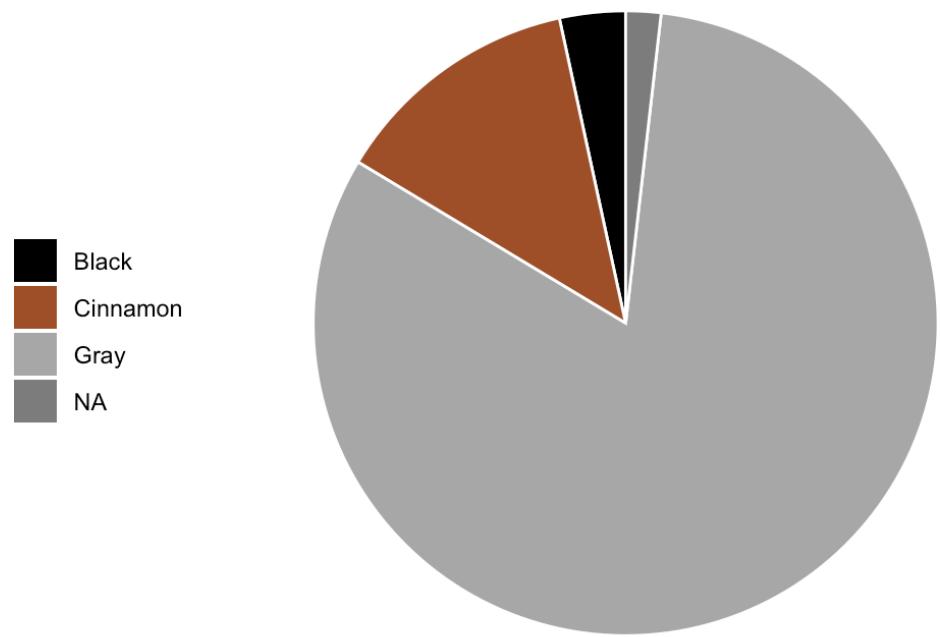
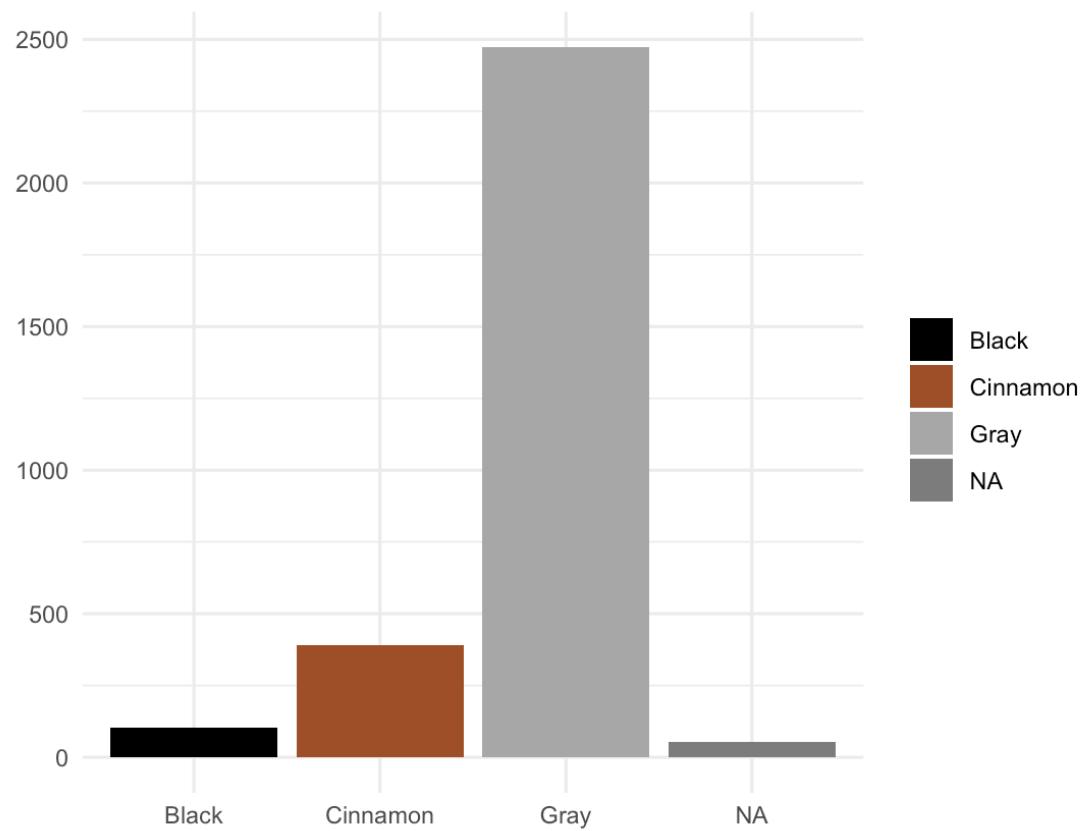
The entire Central Park as a rectangle can be divided into squares, 42 in length and 9 in width. Let's inspect the sightings under the form of a heatmap:



It looks like the squirrels enjoy The Ramble (most forest-like part of the park).

AM vs PM

Fur colors of the Central Park squirrels



Squirrel sightings per color

Squirrels vs Humans

```
# A tibble: 2 × 4
  Condition Approaches Runs.from Indifferent
  <chr>      <dbl>     <dbl>      <dbl>
1 true        5.89     22.4       48.1
2 false       94.1     77.6       51.9
```

