

GROUP R Shiny Application

ALY6070: Communication and Visualization for Data Analytics

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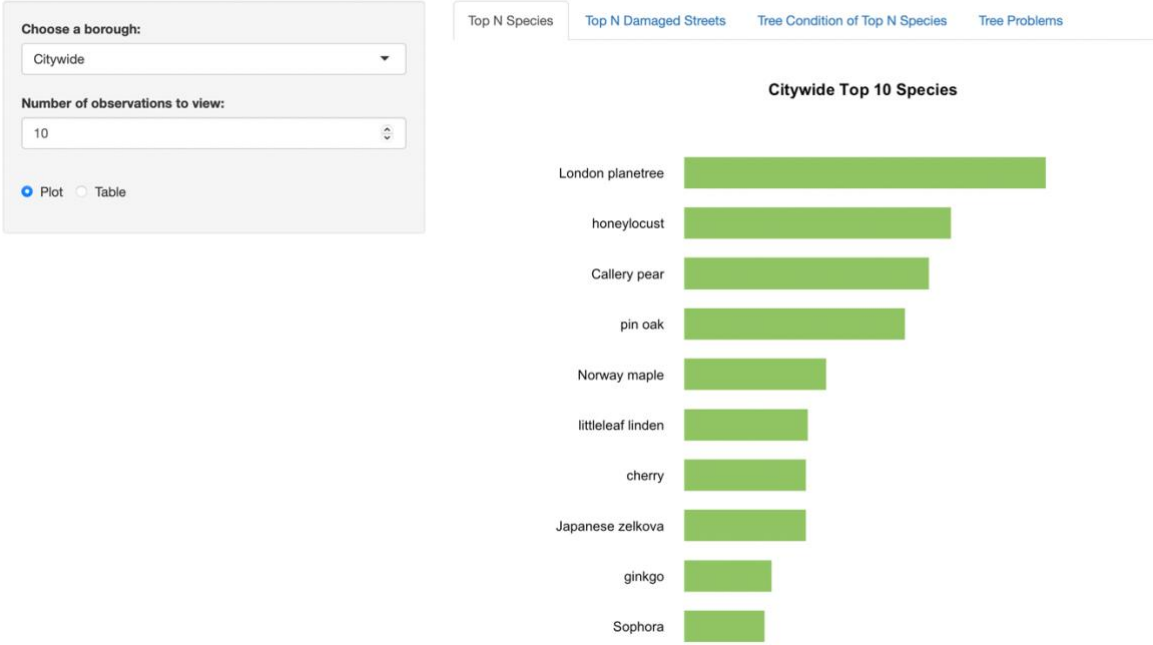
Yunshan Shi

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1. Select the borough and number of observations to view the top N species (can use the table or bar plot to view).

2015 Street Tree Census in NYC



2015 Street Tree Census in NYC

Choose a borough:

Citywide

Number of observations to view:

10

☐ Plot

☒ Table

Top N Species

Top N Damaged Streets

Tree Condition of Top N Species

Tree Problems

Species	Counts
London planetree	87014
honeylocust	64264
Callery pear	58931
pin oak	53185
Norway maple	34189
littleleaf linden	29742
cherry	29279
Japanese zelkova	29258
ginkgo	21024
Sophora	19338

2. Select the borough and number of observations to view the damaged streets.
(Which streets are the most damaged?)

2015 Street Tree Census in NYC

Choose a borough:

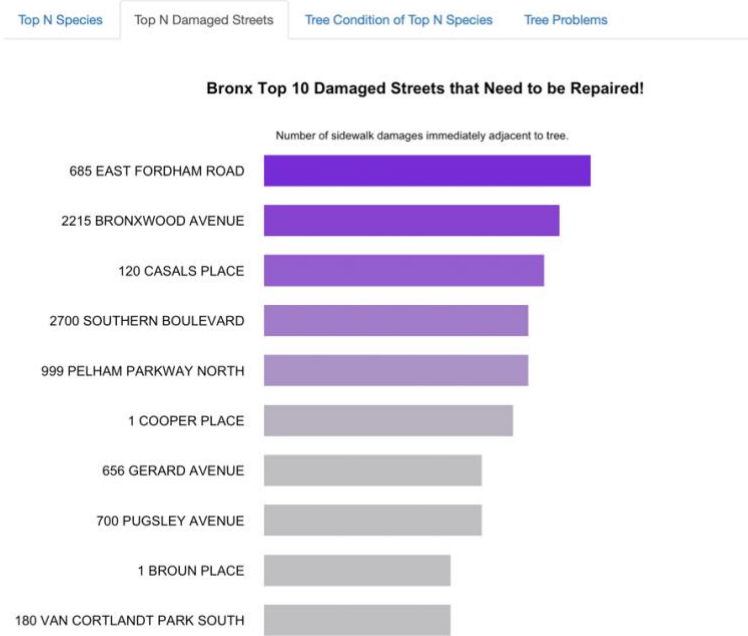
Bronx

Number of observations to view:

10

☒ Plot

☐ Table



2015 Street Tree Census in NYC

Choose a borough:

Bronx

Number of observations to view:

10

☐ Plot

☒ Table

Top N Species

Top N Damaged Streets

Tree Condition of Top N Species

Tree Problems

Damaged Streets	Counts
685 EAST FORDHAM ROAD	21
2215 BRONXWOOD AVENUE	19
120 CASALS PLACE	18
2700 SOUTHERN BOULEVARD	17
999 PELHAM PARKWAY NORTH	17
1 COOPER PLACE	16
656 GERARD AVENUE	14
700 PUGSLEY AVENUE	14
1 BROUN PLACE	12
180 VAN CORTLANDT PARK SOUTH	12

3. Select the borough and number of observations to view the trees' health.

2015 Street Tree Census in NYC

Choose a borough:

Queens

Number of observations to view:

10

☒ Plot

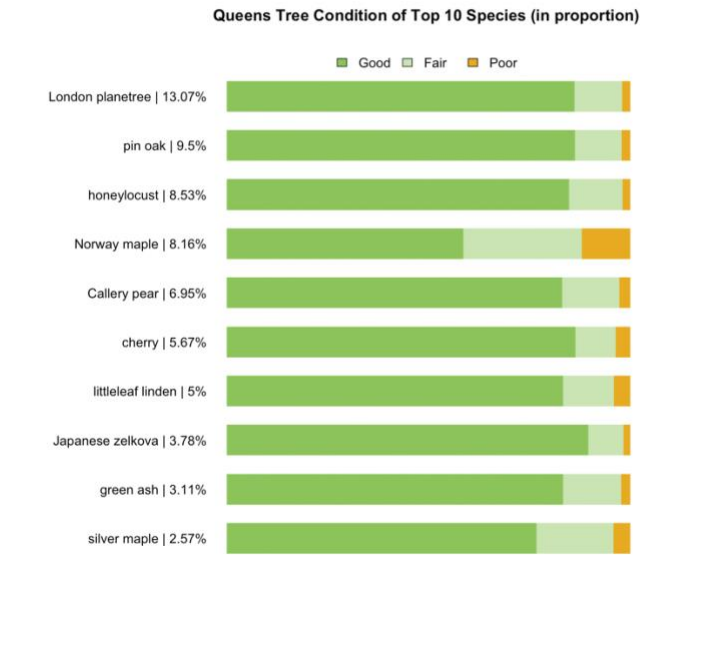
☐ Table

Top N Species

Top N Damaged Streets

Tree Condition of Top N Species

Tree Problems



2015 Street Tree Census in NYC

Choose a borough:

Queens

Number of observations to view:

10

☐ Plot

☒ Table

Top N Species

Top N Damaged Streets

Tree Condition of Top N Species

Tree Problems

Species	Good	Fair	Poor
London planetree 13.07%	86.12%	11.77%	2.11%
pin oak 9.5%	86.24%	11.54%	2.22%
honeylocust 8.53%	84.83%	13.21%	1.97%
Norway maple 8.16%	58.63%	29.34%	12.03%
Callery pear 6.95%	83.07%	14.23%	2.71%
cherry 5.67%	86.33%	10.05%	3.62%
littleleaf linden 5%	83.28%	12.62%	4.1%
Japanese zelkova 3.78%	89.58%	8.67%	1.75%
green ash 3.11%	83.31%	14.39%	2.3%
silver maple 2.57%	76.77%	18.97%	4.27%

4. Select the borough and number of observations to view the problems of the trees. (The problems of root, trunk, branch)

2015 Street Tree Census in NYC

Choose a borough:
Citywide

Number of observations to view:
24

☒ Plot ☐ Table

[Top N Species](#) [Top N Damaged Streets](#) [Tree Condition of Top N Species](#) [Tree Problems](#)

Citywide: How many trees have root, trunk, and branch problems?

