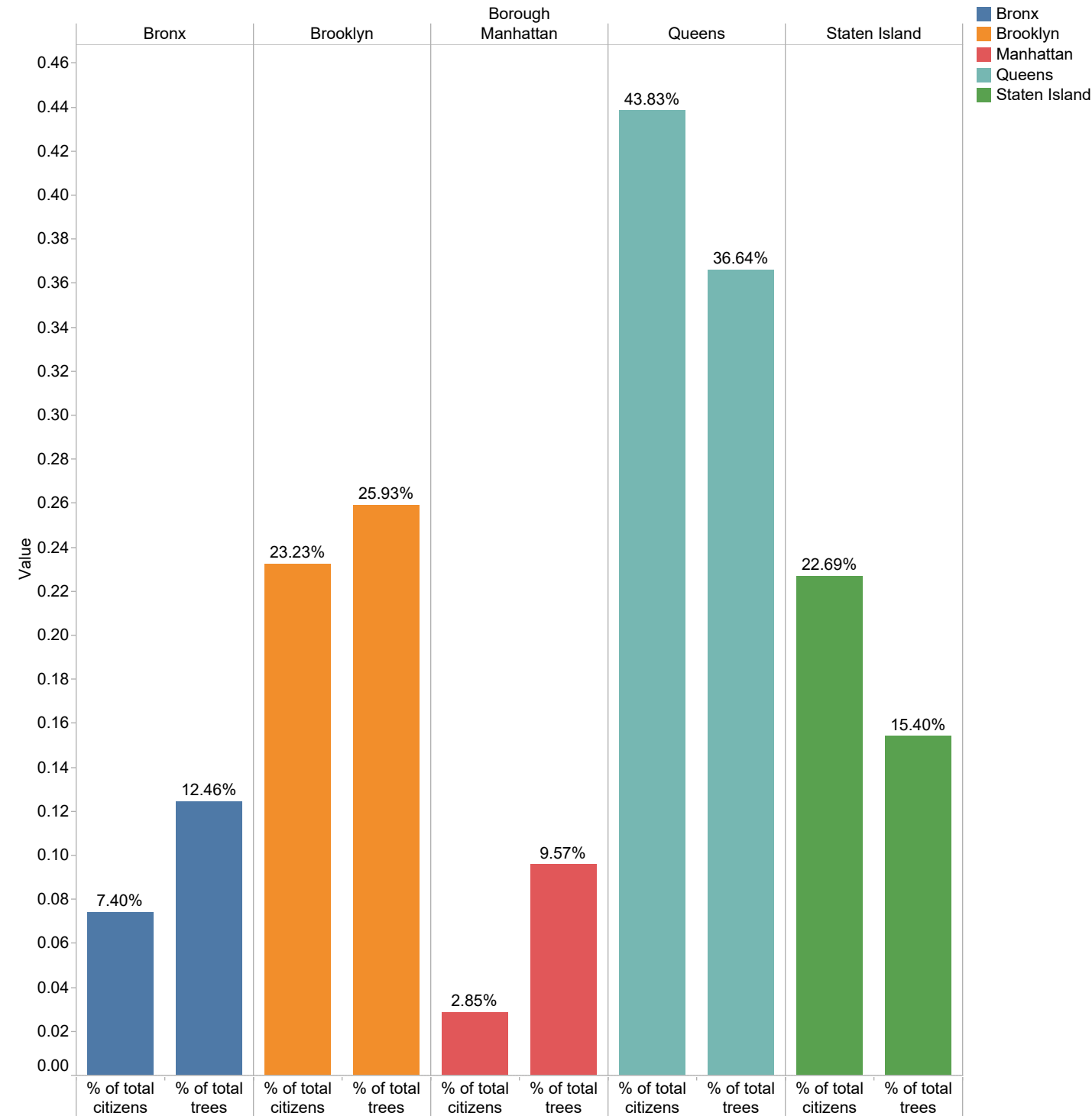
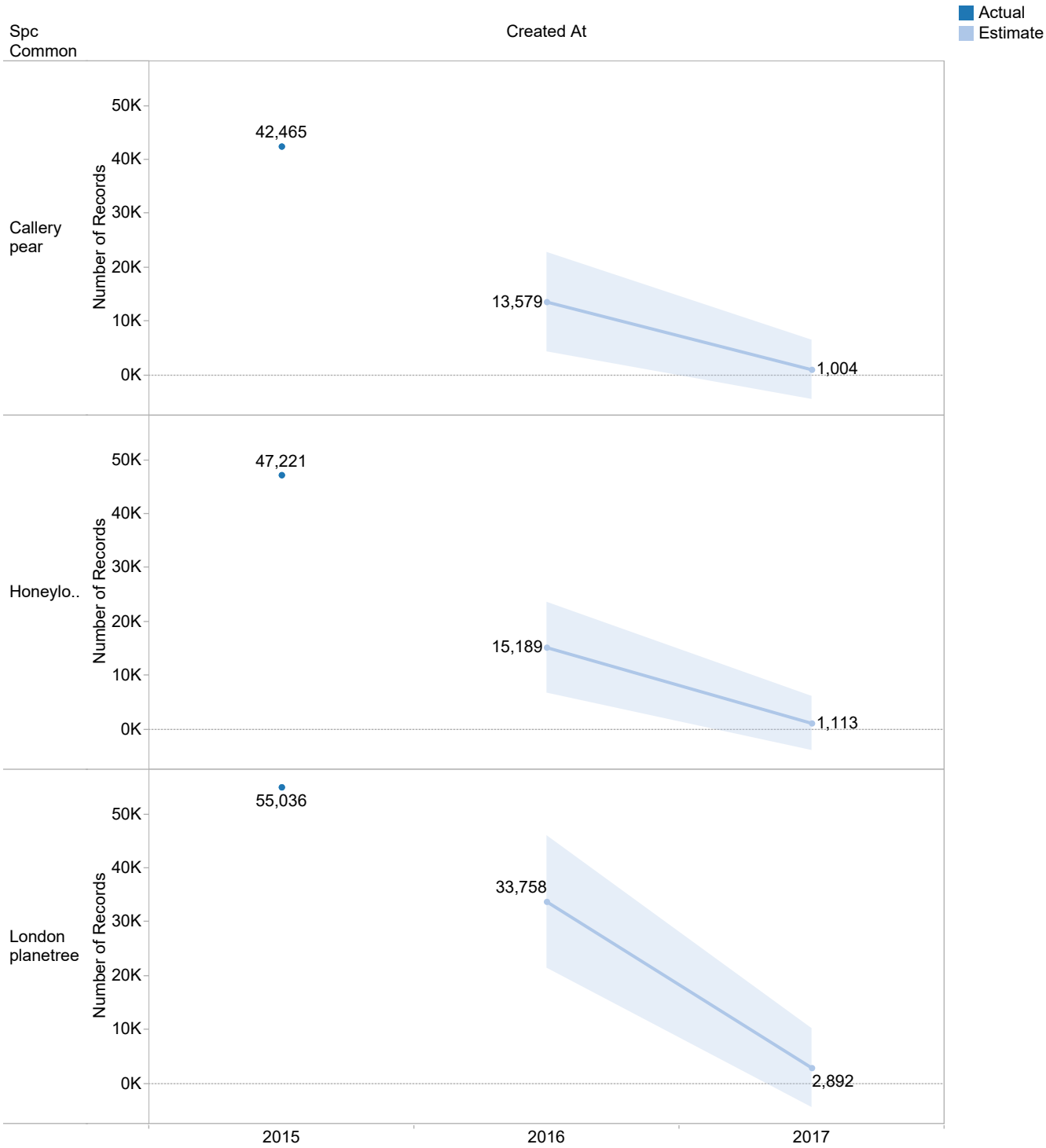


Queens and Staten Island have less trees than the number of citizens



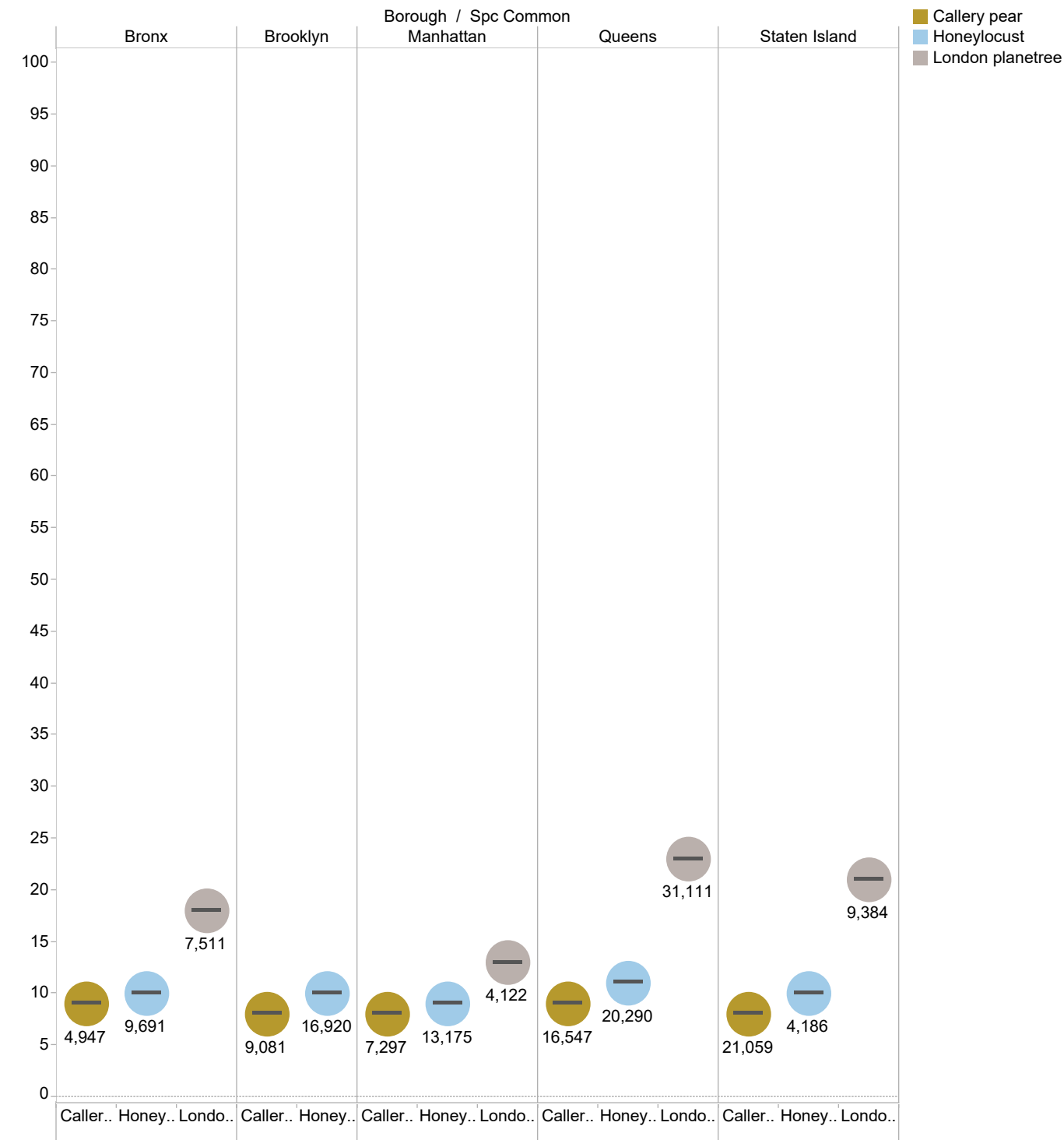
% of total citizens and % of total trees for each Borough. Color shows details about Borough. The view is filtered on Borough, which keeps Bronx, Brooklyn, Manhattan, Queens and Staten Island.

London planetree is expected to plant more significantly in next year



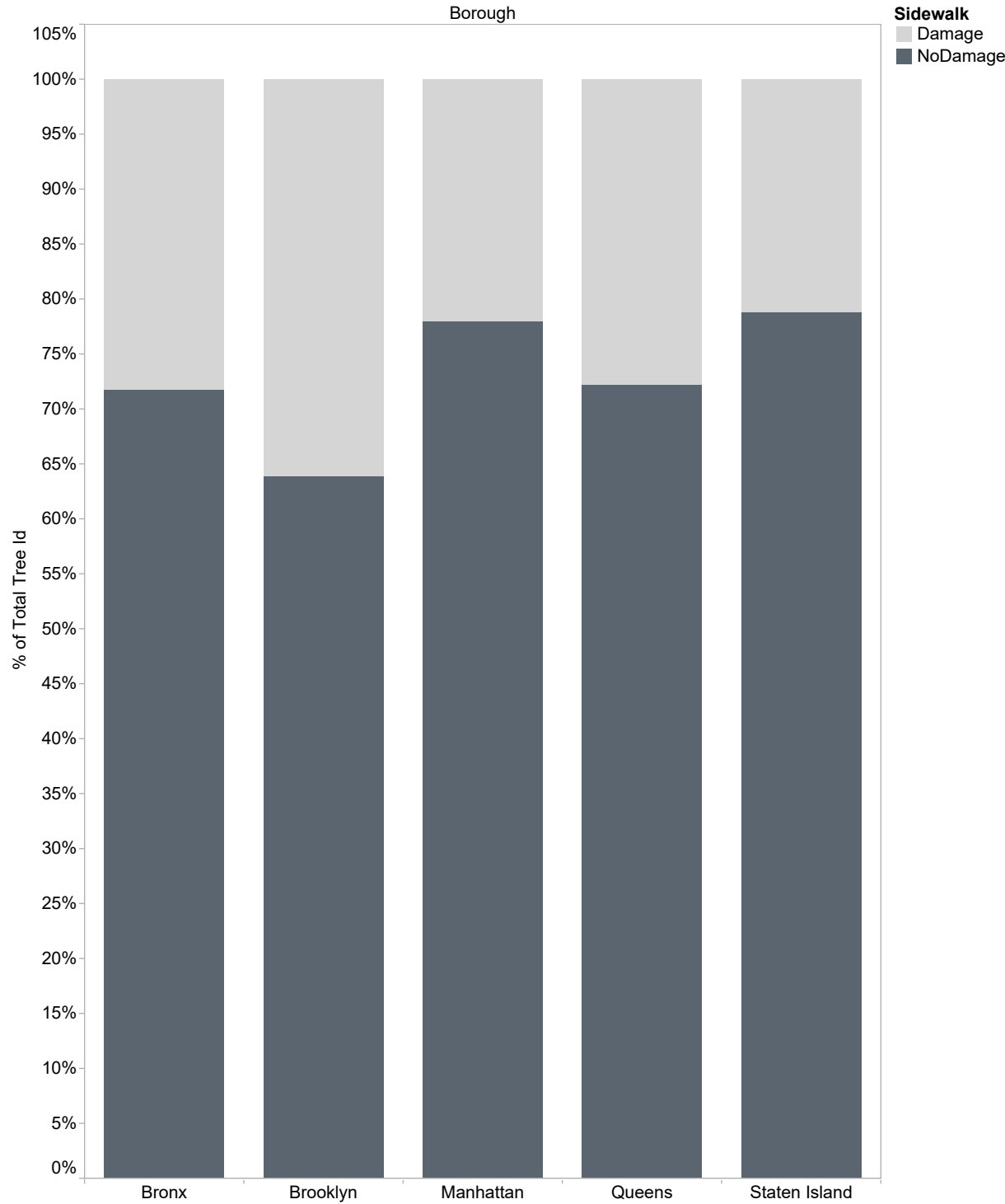
The trend of sum of Number of Records (actual & forecast) for Created At Year broken down by Spc Common. Color shows details about Forecast indicator. The marks are labeled by sum of Number of Records (actual & forecast). The data is filtered on Exclusions (Borough, Spc Common), Sidewalk, Borough and Status. The Exclusions (Borough, Spc Common) filter keeps 657 members. The Sidewalk filter keeps Damage and NoDamage. The Borough filter keeps Bronx, Brooklyn, Manhattan, Queens and Staten Island. The Status filter keeps Alive. The view is filtered on Spc Common, which keeps Callery pear, Honeylocust and London planetree.

Most of common trees in NYC are new



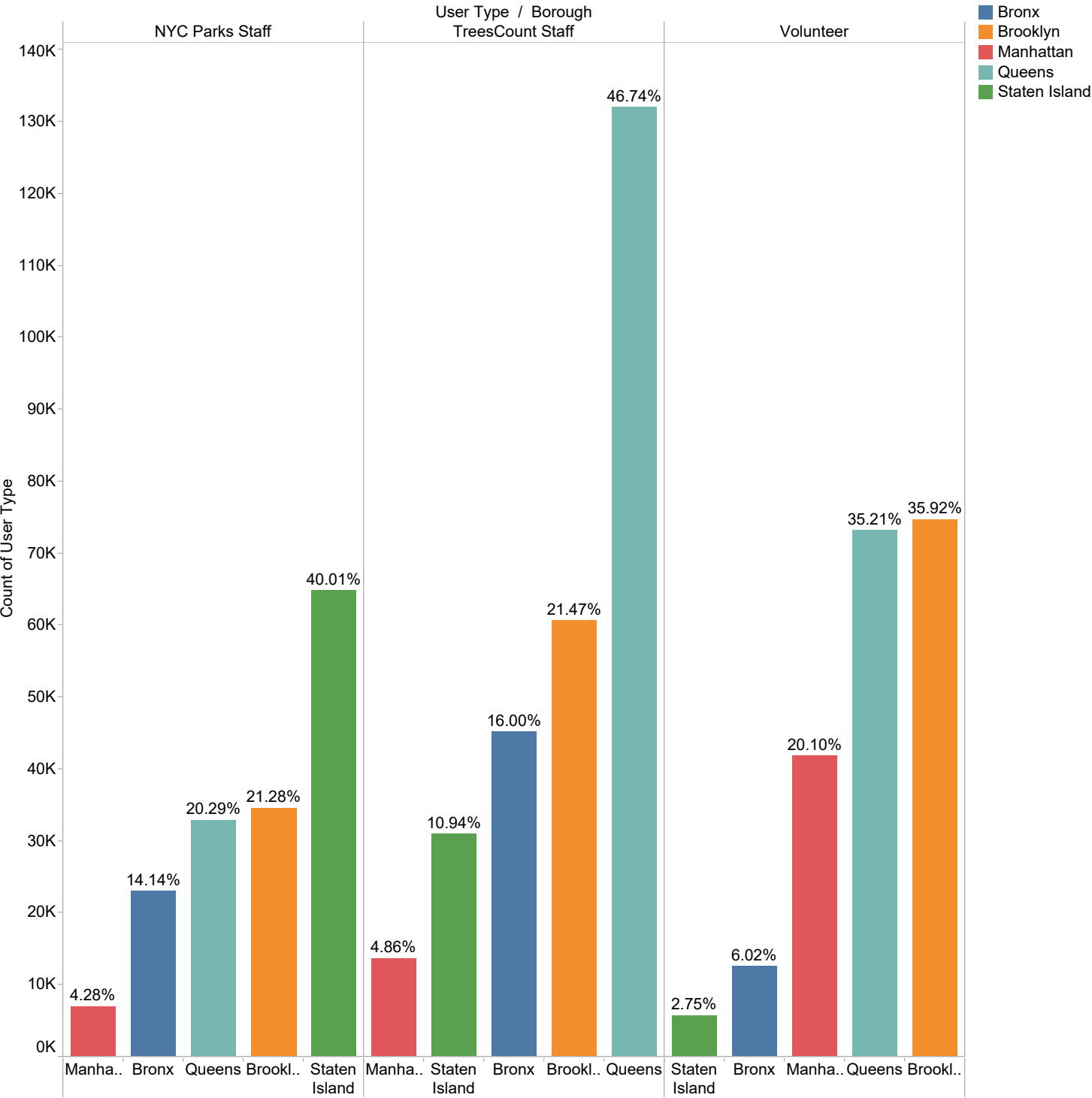
Median of Tree Dbh for each Spc Common broken down by Borough. Color shows details about Spc Common. The marks are labeled by sum of Number of Records. Details are shown for Spc Common. The data is filtered on Status and Sidewalk. The Status filter keeps Alive. The Sidewalk filter keeps Damage and NoDamage. The view is filtered on Spc Common, Borough, sum of Number of Records and median of Tree Dbh. The Spc Common filter keeps Callery pear, Honeylocust and London planetree. The Borough filter keeps Bronx, Brooklyn, Manhattan, Queens and Staten Island. The sum of Number of Records filter ranges from 1 to 34,549. The median of Tree Dbh filter ranges from 0.00 to 24.00.

Brooklyn and Queens have more damage trees than other places



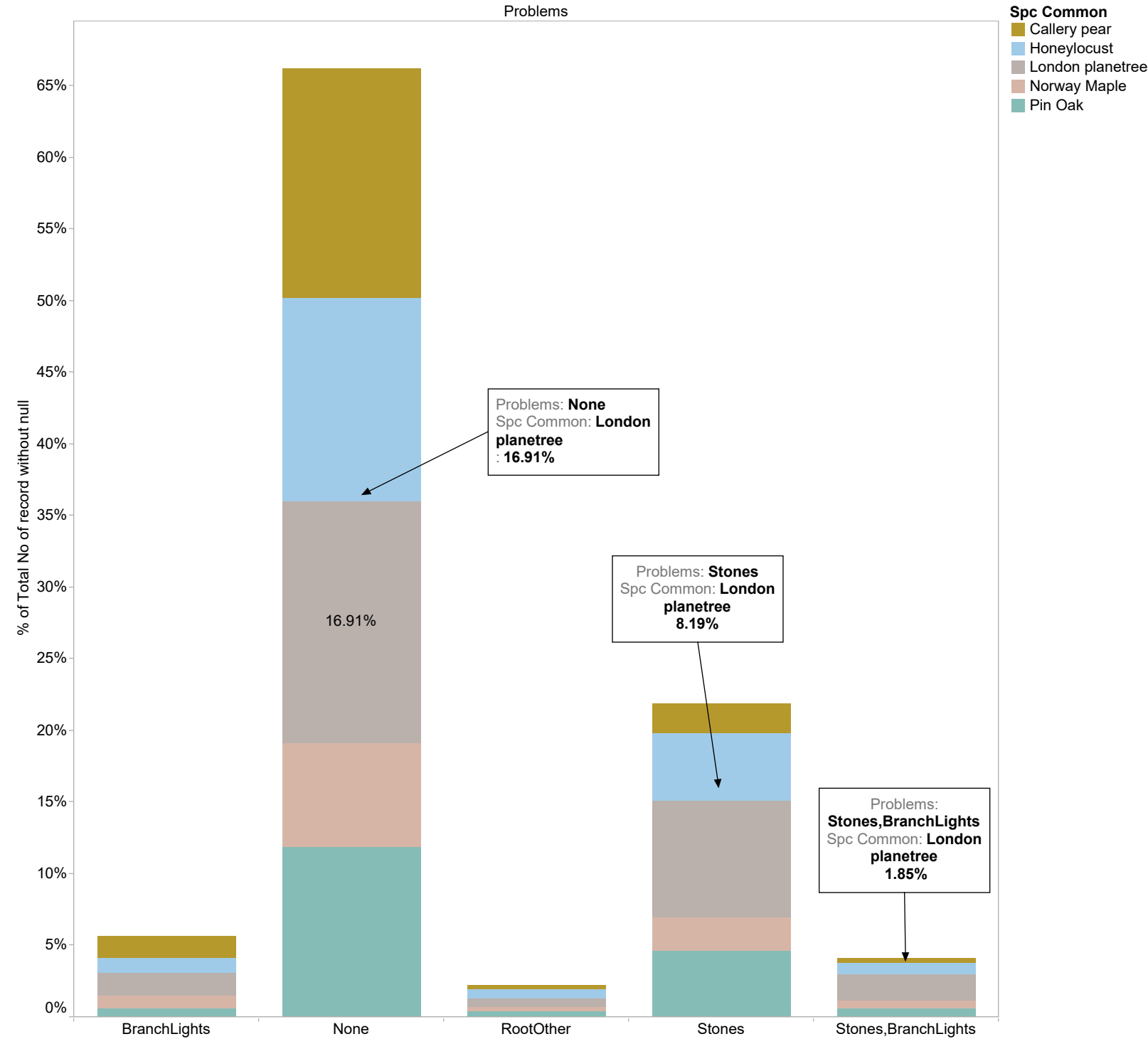
% of Total Tree Id for each Borough. Color shows details about Sidewalk. The view is filtered on Sidewalk, Exclusions (Borough,Sidewalk) and Borough. The Sidewalk filter keeps Damage and NoDamage. The Exclusions (Borough,Sidewalk) filter keeps 10 members. The Borough filter keeps Bronx, Brooklyn, Manhattan, Queens and Staten Island.

Bronx and Staten Island have less volunteers



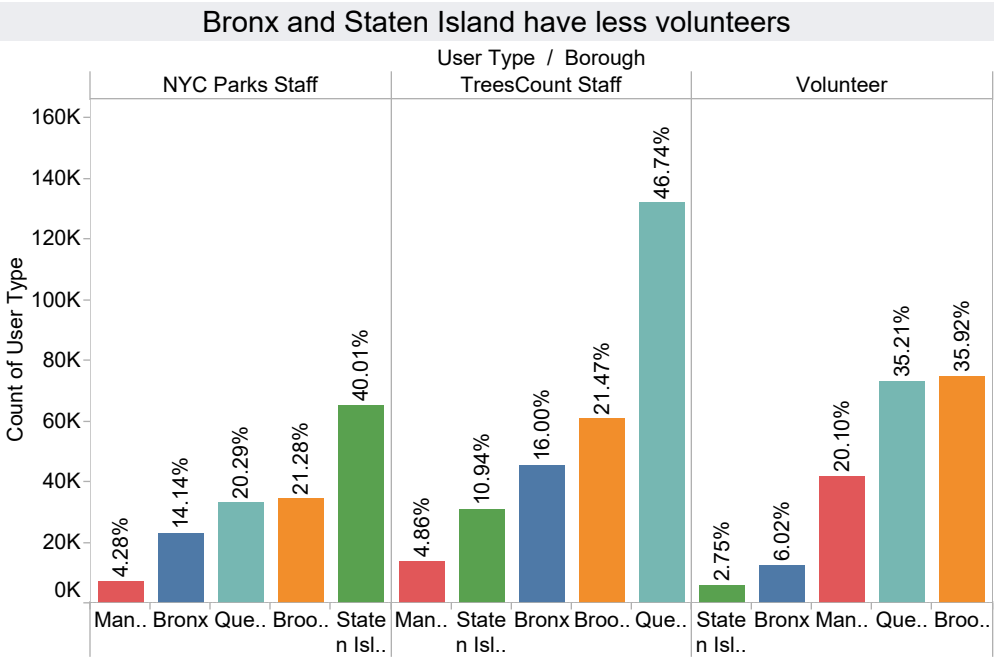
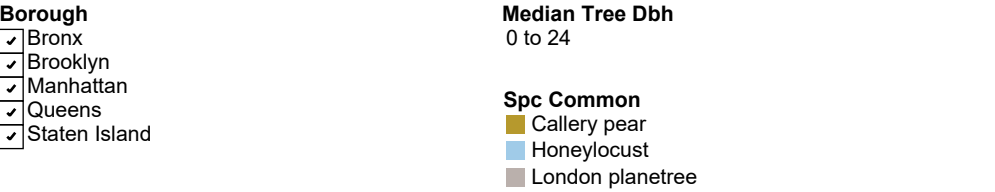
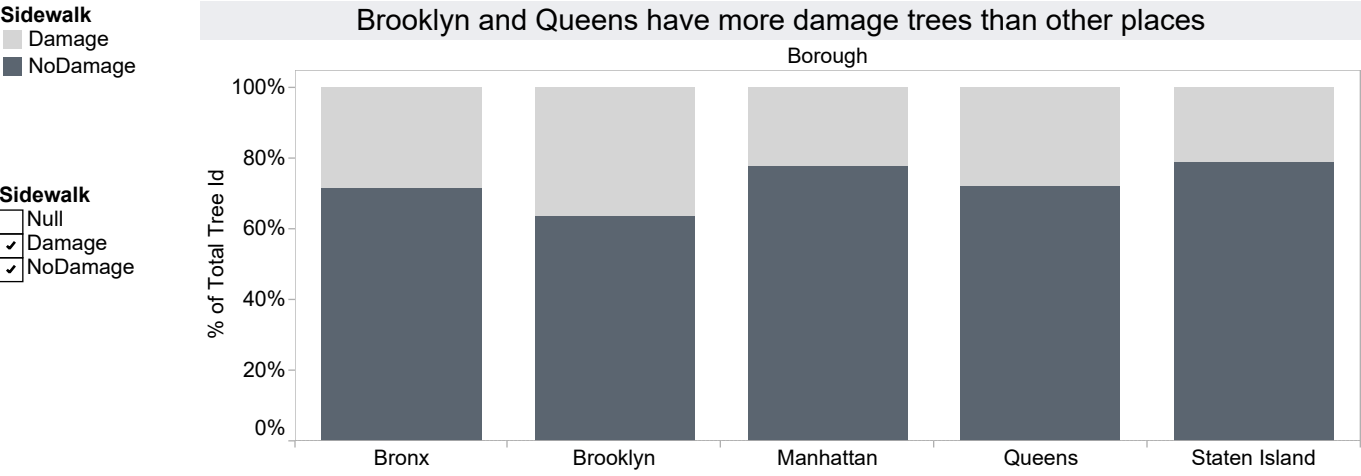
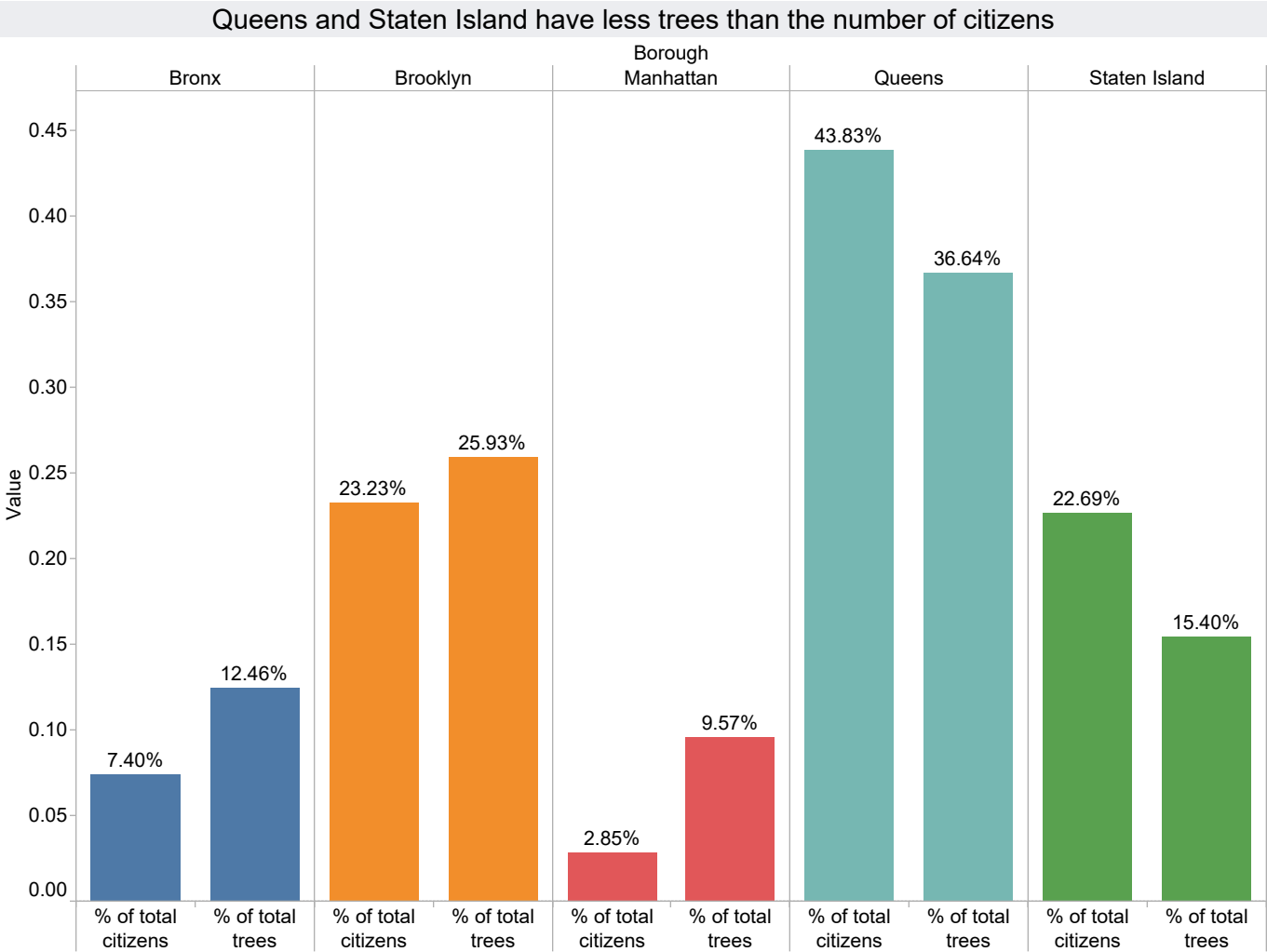
Count of User Type for each Borough broken down by User Type. Color shows details about Borough. The marks are labeled by % of Total Number of Records. The data is filtered on Sidewalk, which keeps Damage and NoDamage. The view is filtered on Borough, which keeps Bronx, Brooklyn, Manhattan, Queens and Staten Island. Percents are based on each pane of the table.

London planetree trees have many common issues



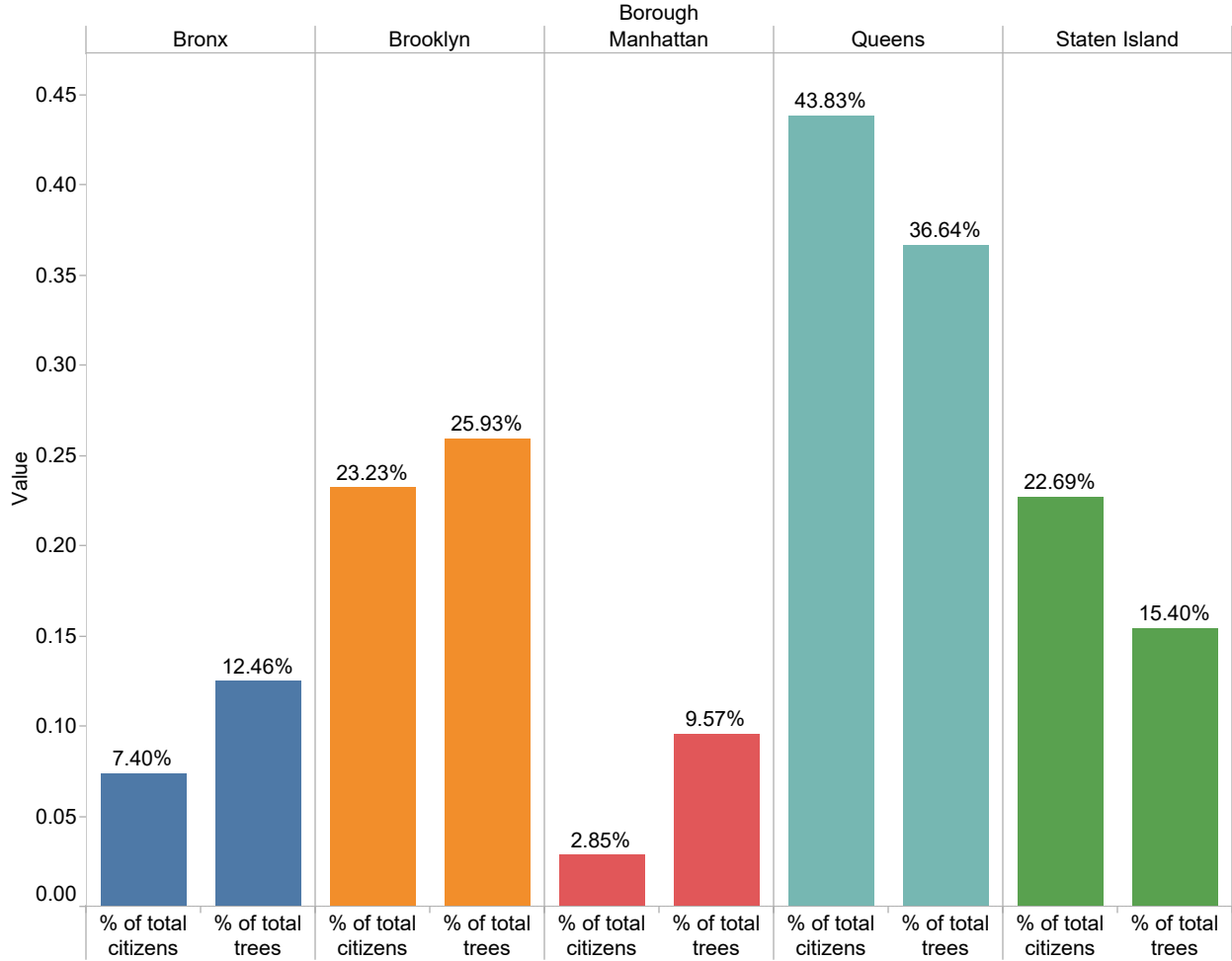
% of Total No of record without null for each Problems. Color shows details about Spc Common. The data is filtered on Borough, which keeps Bronx, Brooklyn, Manhattan, Queens and Staten Island. The view is filtered on Spc Common and Problems. The Spc Common filter keeps Callery pear, Honeylocust, London planetree, Norway Maple and Pin Oak. The Problems filter keeps BranchLights, None, RootOther, Stones and Stones,BranchLights.

TREES AND CITIZENS IN NEW YORK CITY



# Whether the density of trees in each borough is enough for citizen?

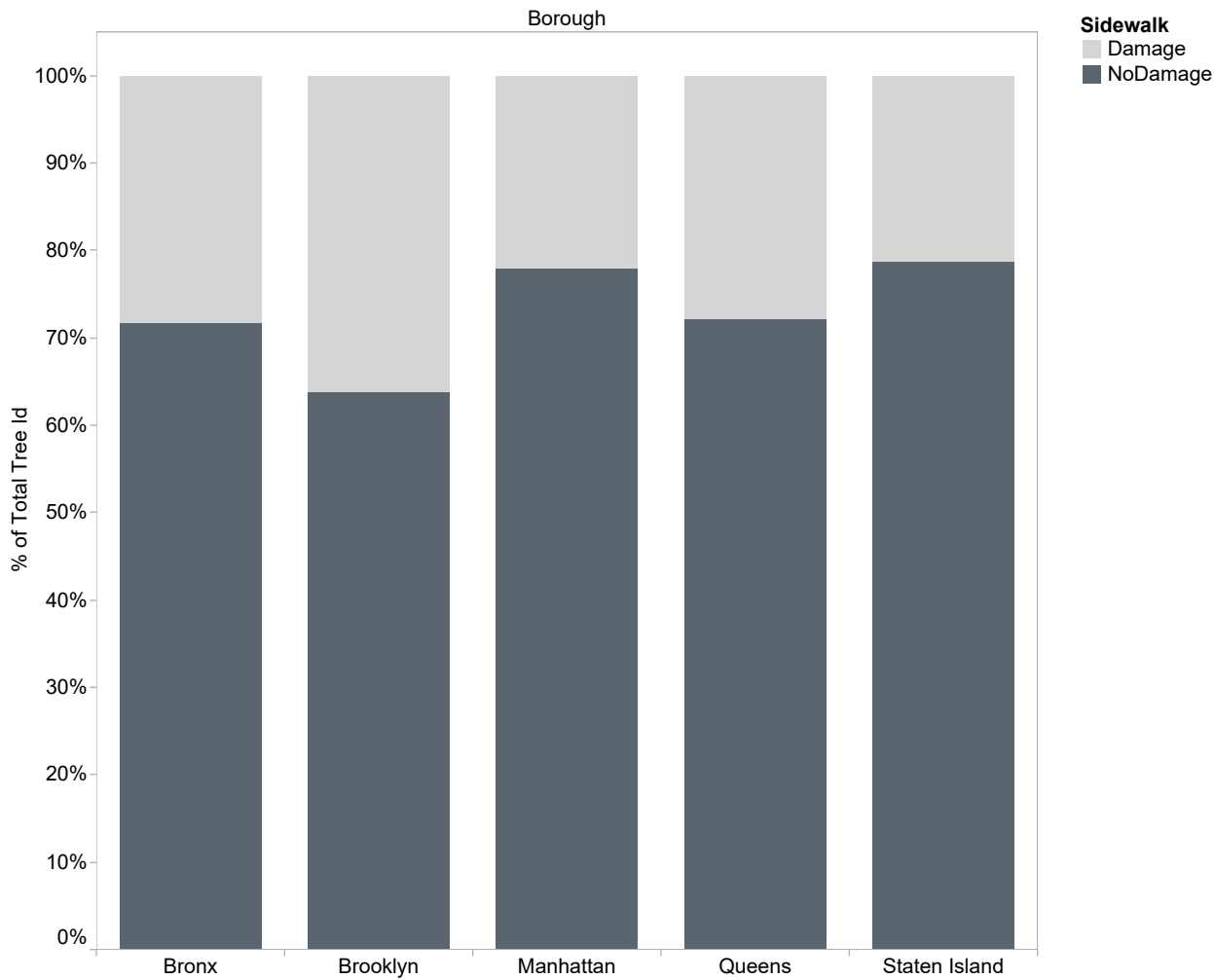
Queens and Staten Island have less trees than its citizen numbers





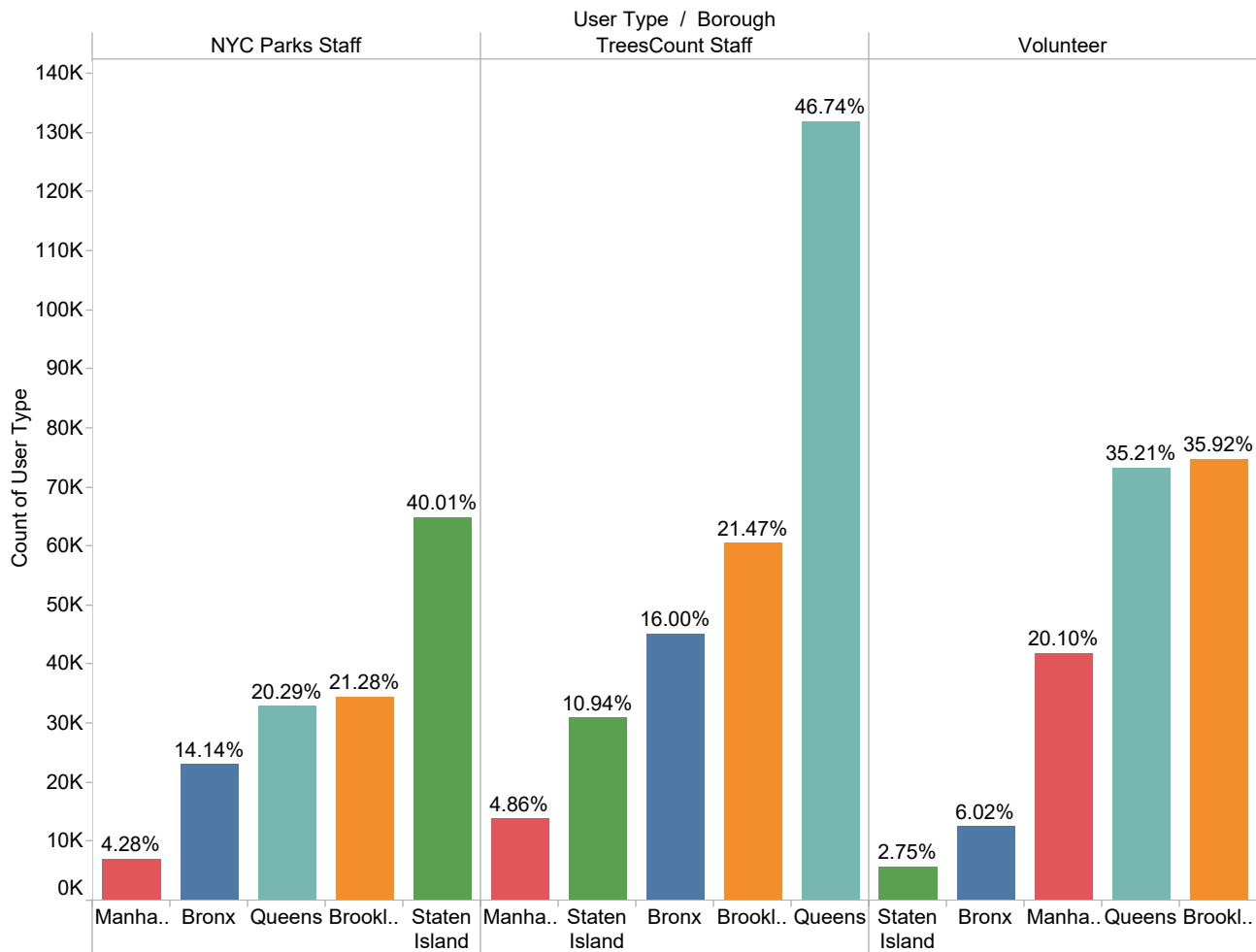
# How is the status of side walk trees in each borough?

The high population place has more damage trees on side walk.



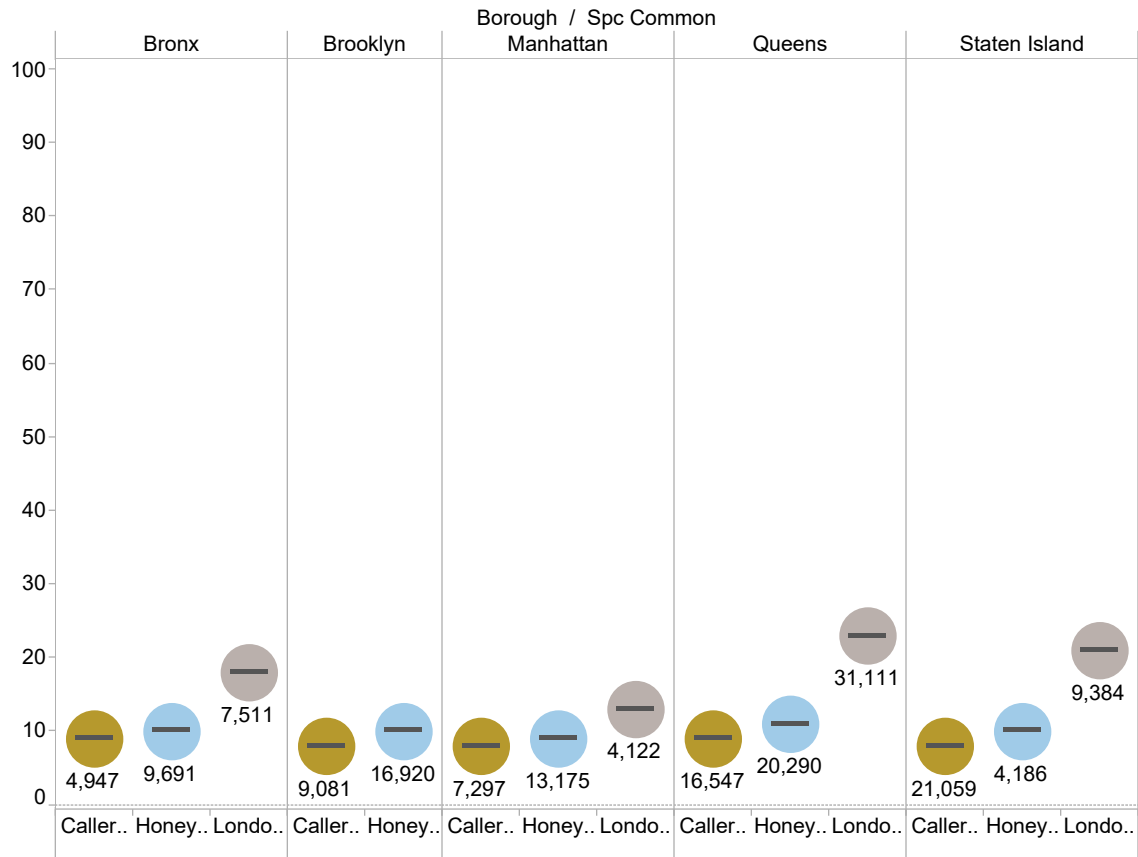
# How the distribution of tree reporters ?

Bronx and Staten Island have less volunteers.  
The reporters are more in Queens and Brooklyns.  
Tree in Staten Island get more care from the government.



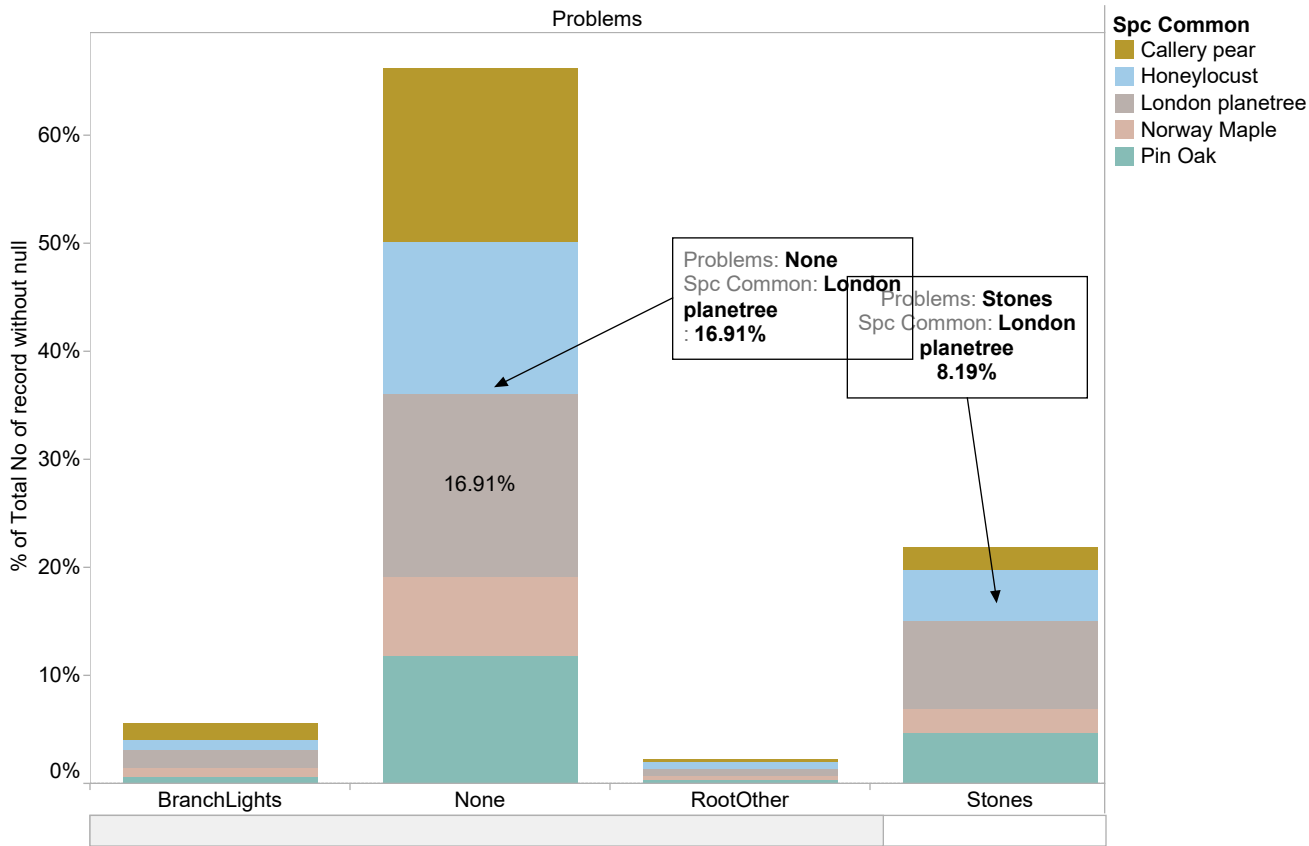
# Whether the government has been currently growing more common trees ?

Trees are considered as new if its diameter is below 24.  
The filtering of trees with diameter below 24 shows Most of areas have been growing many Honeylocust and Callery pear. Especially, Queens and Staten Island where have a lot of damage trees just change their focus on these kinds of tree.



# Whether the London Planetree is getting old and vulnerable ?

The problems have been appearing with London planetree as there are a huge number of old ones. London Planetree is known to grow 1 cm each year. Thus, it might take only 5-10 years to observe these trees getting completely damaged appearing with London planetree (generally 34 cm is seen to be the old tree).



# How many common trees are predicted alive in NYC in next 3 months?

The time-series model shows the decrease of trees in next 3 months. Especially, London plane trees might witness the significant decrease in next 3 months. (90% confidence intervals)

