NYC Street Tree Census 2015

Summary

This dataset shows the New York City (NYC) street tree census data for the year 2015 provided by the Department of Parks and Recreation (DPR).

Key Facts

Date Created	2016-06-03
Date Modified	2020-02-08
Version	2020-02-08
Update Frequency	Irregular
Complexity	Medium
Temporal Coverage	2015 to 2018
Spatial Coverage	New York City
Source	Data City of New York
Source License	N/A
Source License Requirements	N/A
Source Citation	N/A
Keywords	NYC Tree Census, Street Tree Census, NYC Street Tree, Trees Count, NY Tree Census Data

Other Titles and Uses

- NYC Parks and Trees

- Street Tree Data 2015

Description

This is the third decade inventory of NYC's street trees. This is the first tree census to use volunteer citizen scientists to be the primary data collectors. Individuals who have mapped went through a full training process with NYC Parks Census staff, mapped in "events" with other volunteers or mapped independently. Community partners ranging from environmental non-profits, business improvement districts, youth groups and community boards have also played a key role in training and engaging volunteers to map their neighborhoods. Volunteers have mapped 200,000 trees, 30% of the city, since May 2015.

The street tree dataset will provide NYC Parks with information that can improve operational efficiency in the field, better allocate funds for high priority projects, and investigate the best management practices for urban trees. A complete census will allow us to assess trends in tree health, diversity, and growth. Research specific, pressing environmental questions like how the trees of New York City have responded to inundation from Hurricane Sandy. The data will also help dictate Central Forestry's street tree planting program to better target areas in need.

Schema

Field Name	Type	Description	Properties
Tree_ID	Integer	Unique identification number for each tree point.	Level: Nominal
Block_ID	Integer	Identifier linking each tree to the block in the blockface table/shapefile that it is mapped on.	Level: Nominal
Created_Date	Date	The date tree points were collected in the census software.	
Tree_Diameter	Integer	Diameter of the tree, measured at approximately 54" / 137cm above the ground. Data were collected for both living and dead trees; for stumps, use stump_diam	Level: Nominal
Diameter_of_Stump_Measured	Integer	Diameter of stump measured through the center, rounded to the nearest inch.	Level: Nominal
Curb_Location	String	Location of tree bed in relation to the curb; trees are either along the curb (On Curb) or offset from the curb (Off set From Curb)	
Tree_Status	String	Indicates whether the tree is alive, standing dead, or a stump.	
Tree_Health	String	Indicates the user's perception of tree health.	
Scientific_Name	String	Scientific name for species	
Common_Name	String	Common name for species	

Field Name	Type	Description	Properties
Signs_of_Stewardship	String	Indicates the number of unique signs of stewardship observed for this tree (1 or 2, 3 or 4, 4 or more signs). Not recorded for stumps or dead trees. Most common examples of what counts as one stewardship activity. Helpful tree guards that do not appear professionally installed -Mulch or woodchips -Intentionally-planted flowers or other plants -Signs related to care of the tree or bed, other than those installed by Parks -Decorations (not including wires or lights added to the tree) -Seating in the tree bed, usually as part of the tree guard -Viewing someone performing a stewardship activity during the survey	
Guards_Condition	String	Indicates whether a guard is present, and if the user felt it was a helpful or harmful guard. Not recorded for dead trees and stumps.	
Sidewalk_Condition	String	Indicates whether one of the sidewalk flags immediately adjacent to the tree was damaged, cracked, or lifted. Not recorded for dead trees and stumps.	
User_Type	String	This field describes the category of user who collected this tree point's data.	
Problems	String	Indicates the presence problem tree bed	
Is_Root_Stone_Present	Boolean	Indicates the presence of a root problem caused by paving stones in tree bed	

Field Name	Type	Description	Properties
Is_Root_Gate_Present	Boolean	Indicates the presence of a root problem caused by metal grates in tree bed	
Is_Root_Other_Present	Boolean	Indicates the presence of other root problems	
Is_Trunk_Wire_Present	Boolean	Indicates the presence of a trunk problem caused by wires or rope wrapped around the trunk	
Is_Trunk_Light_Present	Boolean	Indicates the presence of a trunk problem caused by lighting installed on the tree	
Is_Trunk_Other_Present	Boolean	Indicates the presence of other trunk problems	
Is_Branch_Light_Present	Boolean	Indicates the presence of a branch problem caused by lights (usually string lights) or wires in the branches	
Is_Branch_Sneaker_Present	Boolean	Indicates the presence of a branch problem caused by sneakers in the branches	
Is_Branch_Other_Present	Boolean	Indicates the presence of other branch problems	
Estimated_Address	String	Nearest estimated address to tree	
Zip_Code	Integer	Five-digit zip code in which tree is located	Level: Number
City	String	City as derived from the zip code. This is often (but not always) the same as borough.	
Community_Board	Integer	Community board in which tree point is located	Level: Number
Borough	String	Name of borough in which tree point is located	
Council_District	Integer	Council district in which tree point is located	Level: Nominal
State_Assembly_District	Integer	State Assembly District in which tree point is located	Level: Nominal

Field Name	Type	Description	Properties
State_Senate_District	Integer	State Senate District in which tree point is located	Level: Nominal
NTA_Code	String	This is the NTA (Norwalk Tree Alliance) Code corresponding to the neighborhood tabulation area from the 2010 US Census that the tree point falls into.	
NTA_Name	String	This is the NTA (Norwalk Tree Alliance) name corresponding to the neighborhood tabulation area from the 2010 US Census that the tree point falls into.	
Borough_CT	Integer	This is the Borough identifier for the census tract that the tree point falls into.	Level: Nominal
Latitude	Location	Latitude of point, in decimal degrees	
Longitude	Location	Longitude of point, in decimal degrees	
Census_Tract	Integer	Census Tract for Trees	Level: Number
BIN	Integer	Building Identification Number	Level: Number
BBL	Integer	Land parcel Borough, Block, Lot code.	Level: Number

Sample Records

Field Name	Sample 1	Sample 2	Sample 3
Tree_ID	63414	695667	63413
Block_ID	105315	347082	105315
Created_Date	2015-07-13	2016-09-03	2015-07-13
Tree_Diameter	5	0	7
Diameter_of_Stump_Measured	0	8	0
Curb_Location	OnCurb	OnCurb	OnCurb

Field Name	Sample 1	Sample 2	Sample 3
Tree_Status	Dead	Stump	Dead
Tree_Health			
Scientific_Name			
Common_Name			
Signs_of_Stewardship			
Guards_Condition			
Sidewalk_Condition			
User_Type	Volunteer	Volunteer	Volunteer
Problems			
Is_Root_Stone_Present	false	false	false
Is_Root_Gate_Present	false	false	false
Is_Root_Other_Present	false	false	false
Is_Trunk_Wire_Present	false	false	false
Is_Trunk_Light_Present	false	false	false
Is_Trunk_Other_Present	false	false	false
Is_Branch_Light_Present	false	false	false
Is_Branch_Sneaker_Present	false	false	false
Is_Branch_Other_Present	false	false	false
Estimated_Address	24 IRVING PLACE	69-078 58 ROAD	24 IRVING PLACE
Zip_Code	10003	11378	10003
City	New York	Maspeth	New York
Community_Board	106	405	106
Borough	1	4	1
Council_District	2	30	2
State_Assembly_District	74	30	74
State_Senate_District	28	15	28
NTA_Code	MN21	QN30	MN21
NTA_Name	Gramercy	Maspeth	Gramercy
Borough_CT	1005000	4049500	1005000
Latitude	40.7350106	40.72492739	40.73506774

Field Name	Sample 1	Sample 2	Sample 3
Longitude	-73.98792918	-73.89193955	-73.98788757
Census_Tract	50		50
BIN			
BBL			