Data Dictionnary

Attribute	Description	Data type
location	Position of the tree, X and Y coordinates in Lambert 93 CC45 system	Two numbers (1911906.64842 < x < 1916251.74252) (4220467.21877 < y < 4226533.85288)
stationId	The identifier of the station of the tree.	1157 possible string values ('ESP065'/'ESP151'/'ESP174'/'ESP187')
sector	The sector of Grenoble the tree is located in.	Integer (1-6)
closestPollutionStation	The closest pollution station from the tree	Integer(1-5)
closestTrainStation	Whether the diagnosed tree is near a train station.	true/false
closestIndustrialZone	Whether the diagnosed tree is near an industrial zone.	true/false
closestParking	Whether the diagnosed tree is near a parking.	true/false
closestRiver	Whether the diagnosed tree is near a train river.	true/false
closestMotorways	Whether the diagnosed tree is near a motorway.	true/false
closestMall	Whether the diagnosed tree is near a mall.	true/false
closestRoads	Whether the diagnosed tree is near roads.	true/false
environmentType	Category that describes where the tree is planted	Four possible string values : 'Arbre de voirie'/'Bois semi naturel'/'Arbre d'espaces ouverts'/'Arbre d'enceintes fermées'
species	The species of the tree.	String ('Cordata', 'Japonica' …)
genus	The botanical type of the tree	String ('Alnus', Platanus' …)
seedingYear	The year the tree was planted on.	Year (2004-2015)
5YearPeriod		
isLast	Whether this diagnosis is the last that was done for the diagnosed tree.	true/false
5YearPeriod		
diagnosisYear	The year of this diagnosis.	Year (2011-2015)
diagnosisNote	The result of this diagnosis.	String ('Arbre d'avenir normal', Arbre d'avenir incertain', 'Arbre à abatre dans les 5 ans' ..)
developmentStatus	Developement status of the tree when it was diagnosed.	'Arbre jeune', 'adulte', 'vieillissant'
sidewalkProximity	Defines whether the tree is near a sidewalk.	true/false
environmentBusyness	Describes how busy the nearby environment of the tree is.	'passages fréquents et arrêts fréquents'/'passages fréquents ou arrêts'/'quelques passages'
vigor	How good looking the tree is.	'vigoureux'/'vieillissement dépérissement'/'vigueur intermédiaire'
stumpDiameter	The diameter of the tree's stump.	Interval ('10 à 20 cm' …)
stumpDiameterGroup		
diseases	Four caracters that describe all possible combinations of sickness	R : root, T : trunk, C: collar, K : crown, x : not sick on this part. 16 possible values : xxxx, xxxK, xxCx, xTxx, Rxxx, xxCK, xTxK, xTCx, xTCK, RxxK, RxCx, RxCK, RTxx, RtxK, RTCx, RTCK
quantity	Attribute used for counting the number of diagnosis	Number equal to 1
diseases	Attribute used for counting the number of sick trees	Number equal to 1 when the tree has an imperfection on one of its parts else equal to 0
diseaseOnRoot	Whether the tree has an imperfection on its roots.	Number equal to 1 when the tree has an imperfection on its roots else equal to 0
diseaseOnTrunk	Whether the tree has an imperfection on its trunk.	Number equal to 1 when the tree has an imperfection on its trunk else equal to 0
diseaseOnCollar	Whether the tree has an imperfection on its collar.	Number equal to 1 when the tree has an imperfection on its collar else equal to 0
diseaseOnCrown	Whether the tree has an imperfection on its crown.	Number equal to 1 when the tree has an imperfection on its crown else equal to 0

Attribute	Description	Data type
pollutionStation		
month		
year		
Dioxyde d'azote		

Monoxyde d'azote		
Ozone		
Particules PM10		
Benzène		
Benzo(a)anthracène		
Benzo(a)pyrène		
Benzo(b)fluorenthène		
Benzo(j)fluorenthène		
Benzo(k)fluorenthène		
Dibenzo(a,h)anthracène		
Indénol		
Particules PM2,5		
Toluène		
Antimoine		
Arsenic		
Baryum		
Cadmium		
Chrome		
Cobalt		
Cuivre		
Dioxyde de souffre		
Ethylbenzène		
M+p-Xylène		
Manganèse		
Mercure		
Nickel		
O-Xylène		
Plomb		
Thallium		
Vanadium		
Zinc		