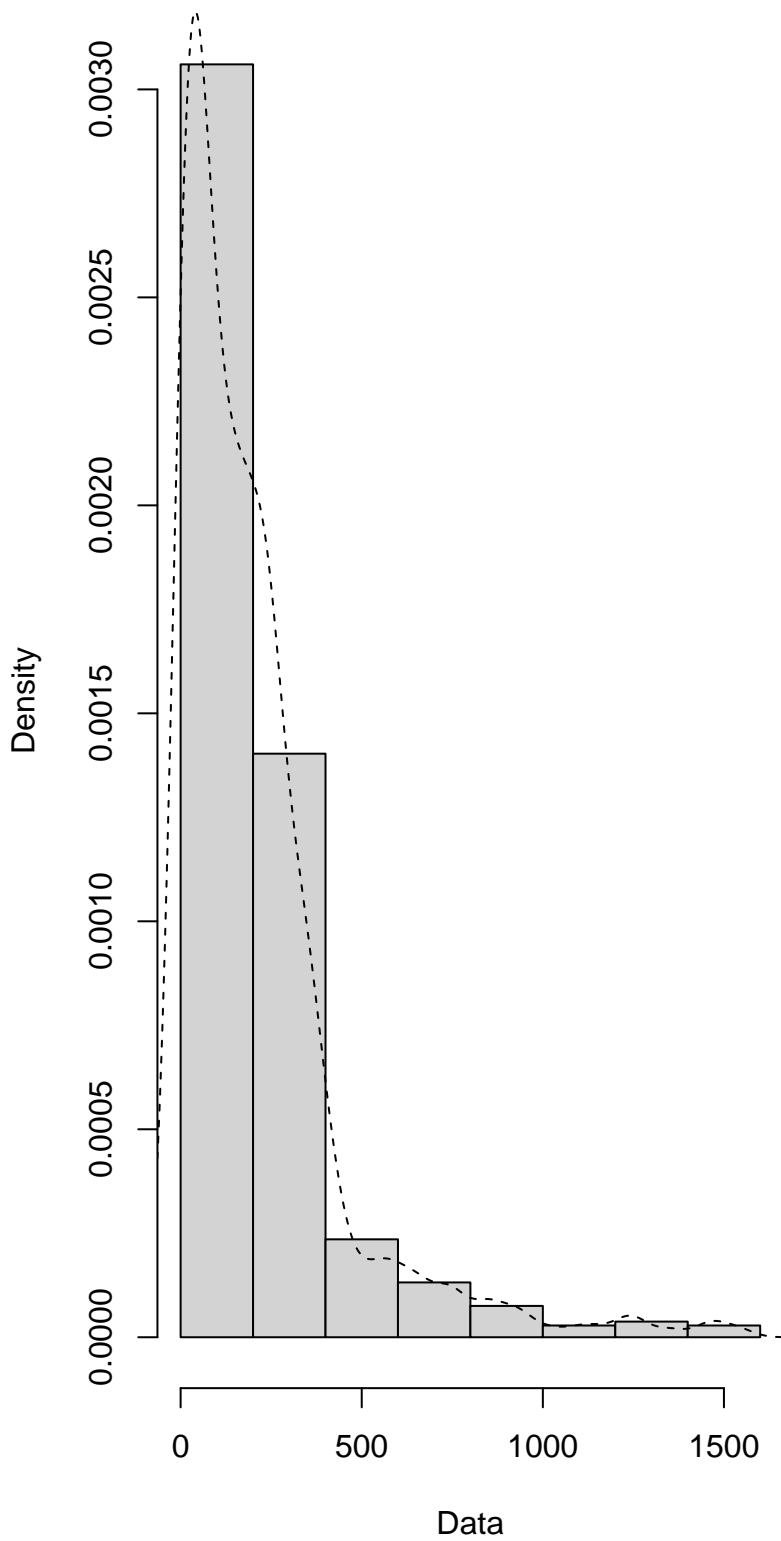


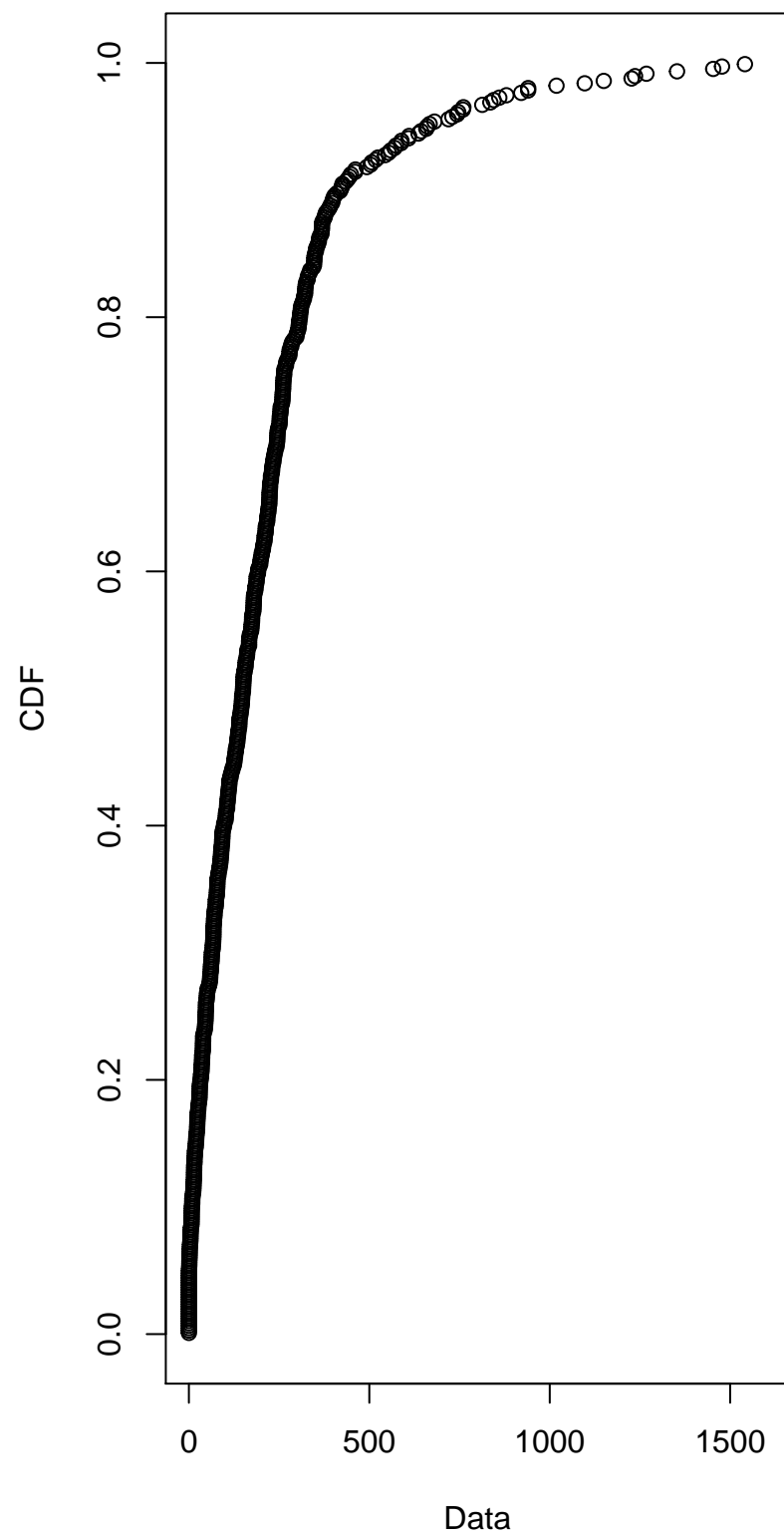
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	46.45	147.50	203.31	262.02	1540.92	84

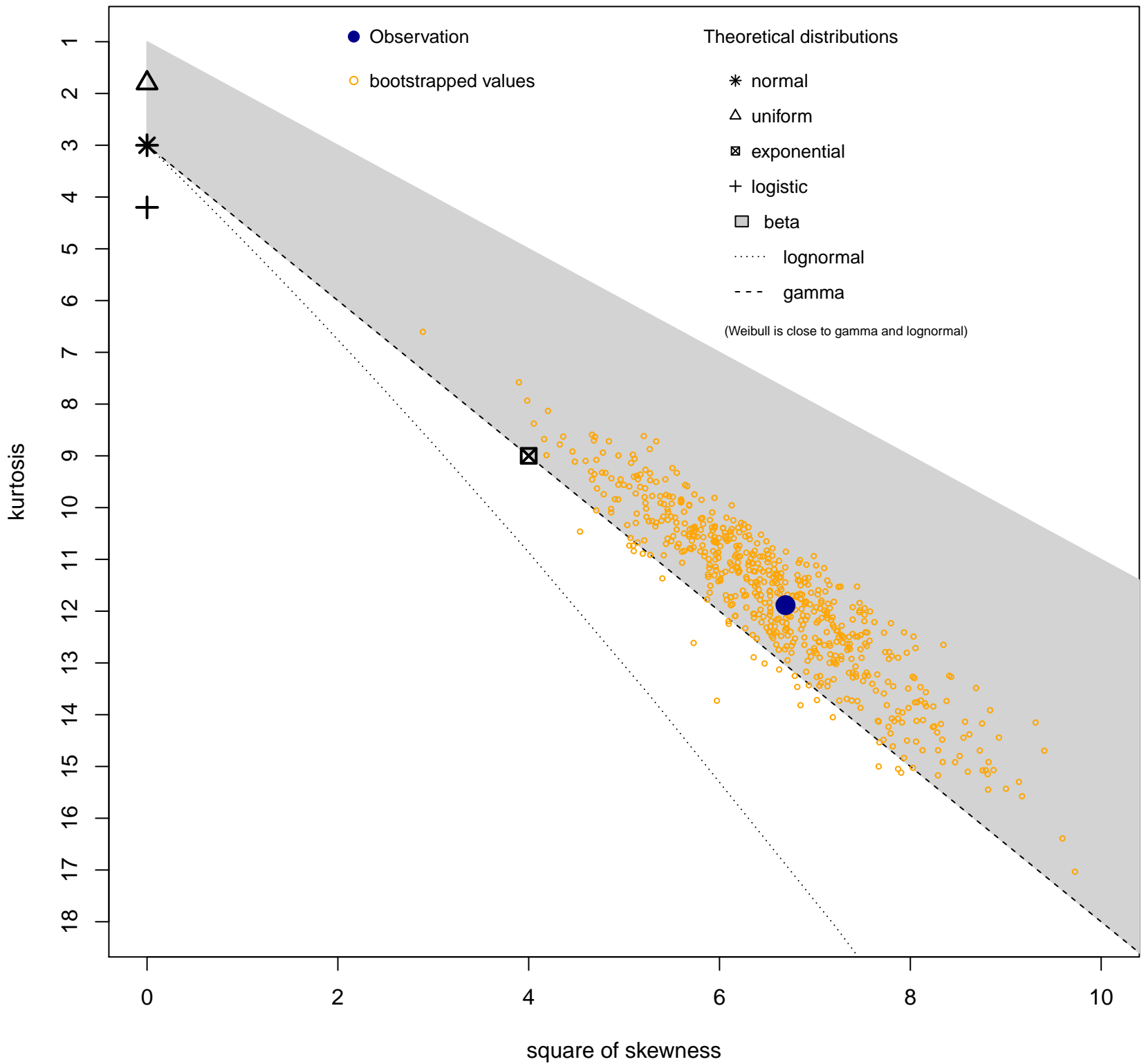
Empirical density



Cumulative distribution



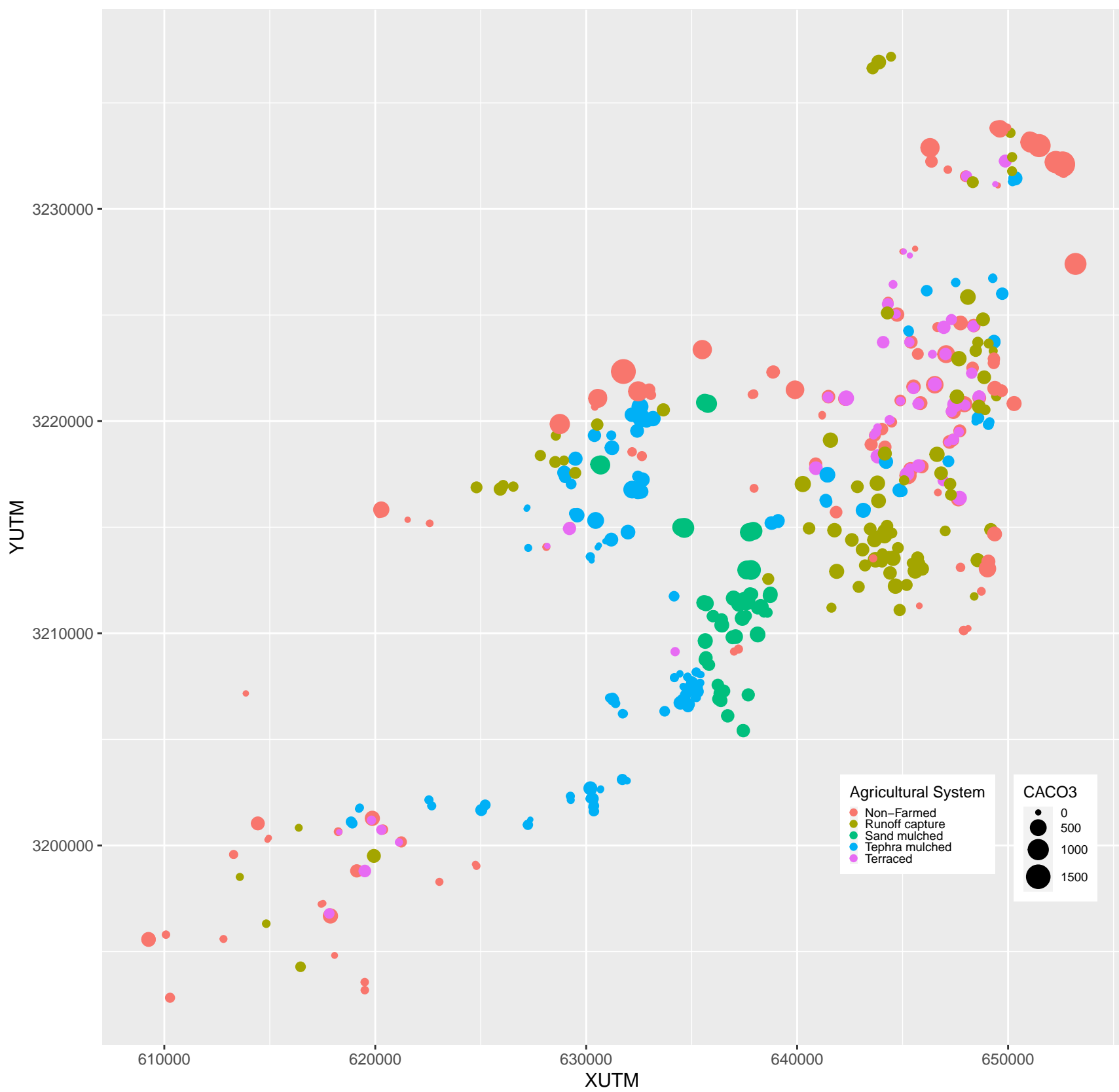
Cullen and Frey graph



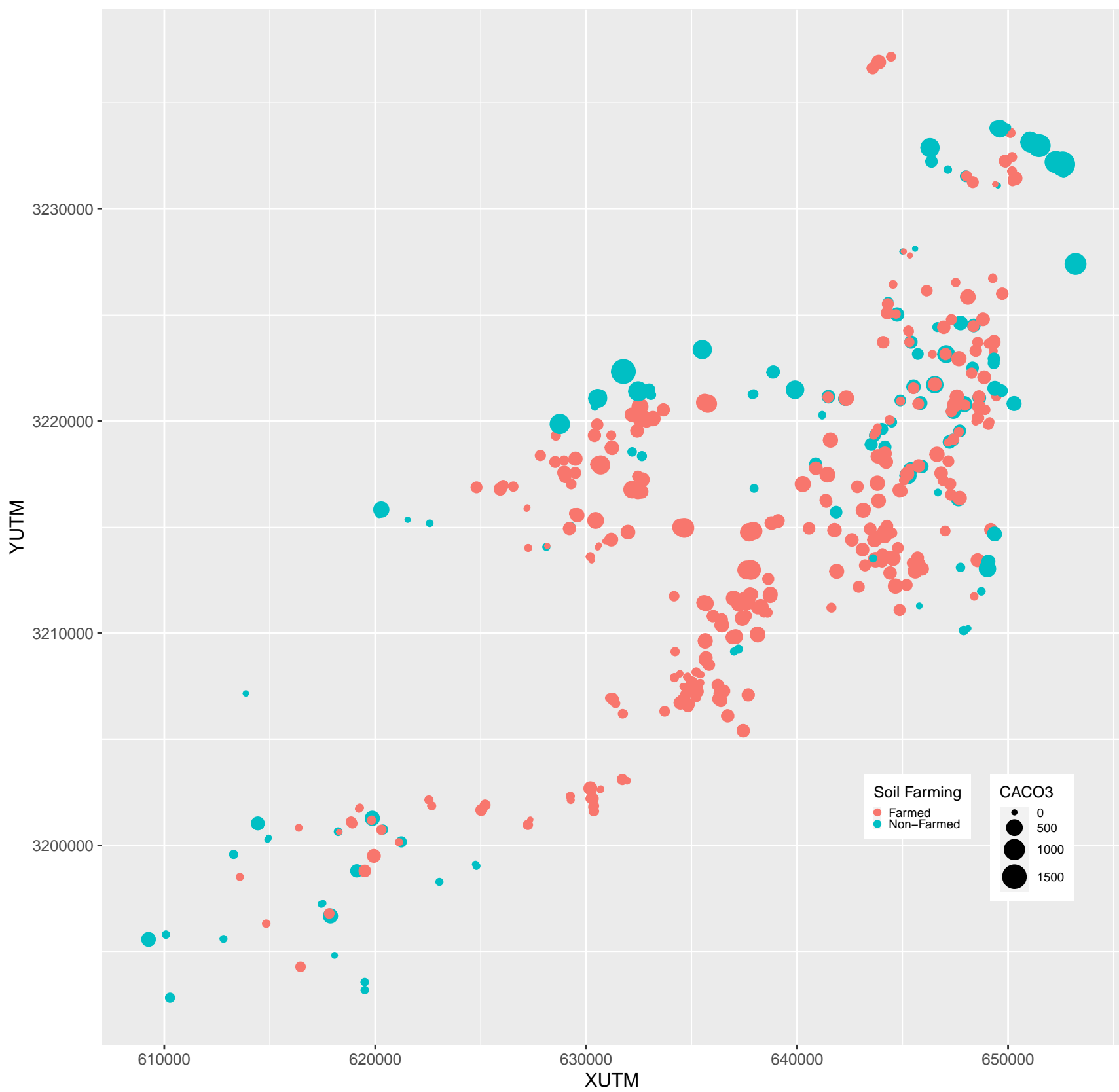
Shapiro–Wilk test for normality

Shapiro–Wilk normality test
data: dataframe[, variable_chr]
W = 0.74374, p-value < 2.2e-16

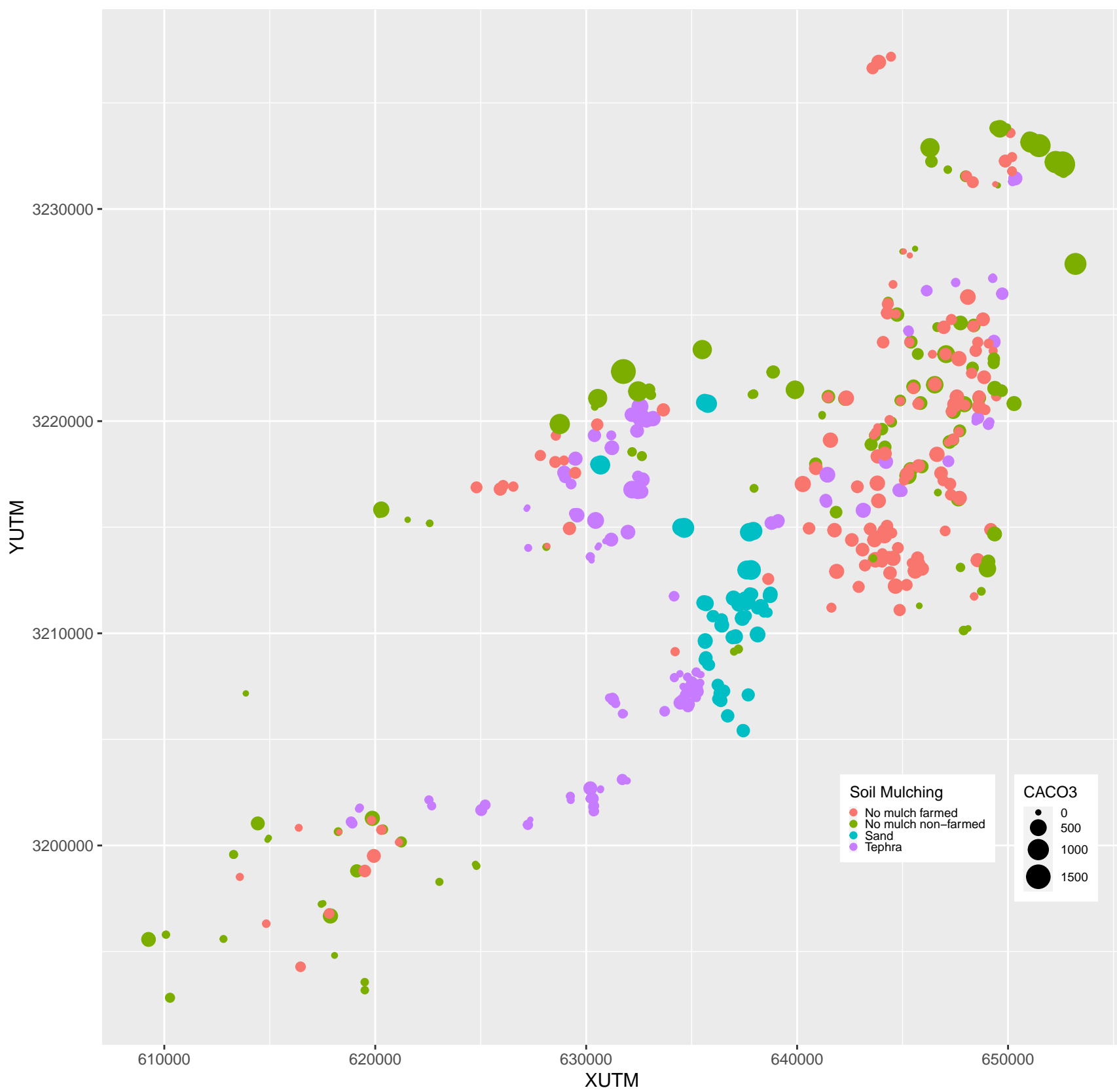
CACO3 according to location and Agricultural System



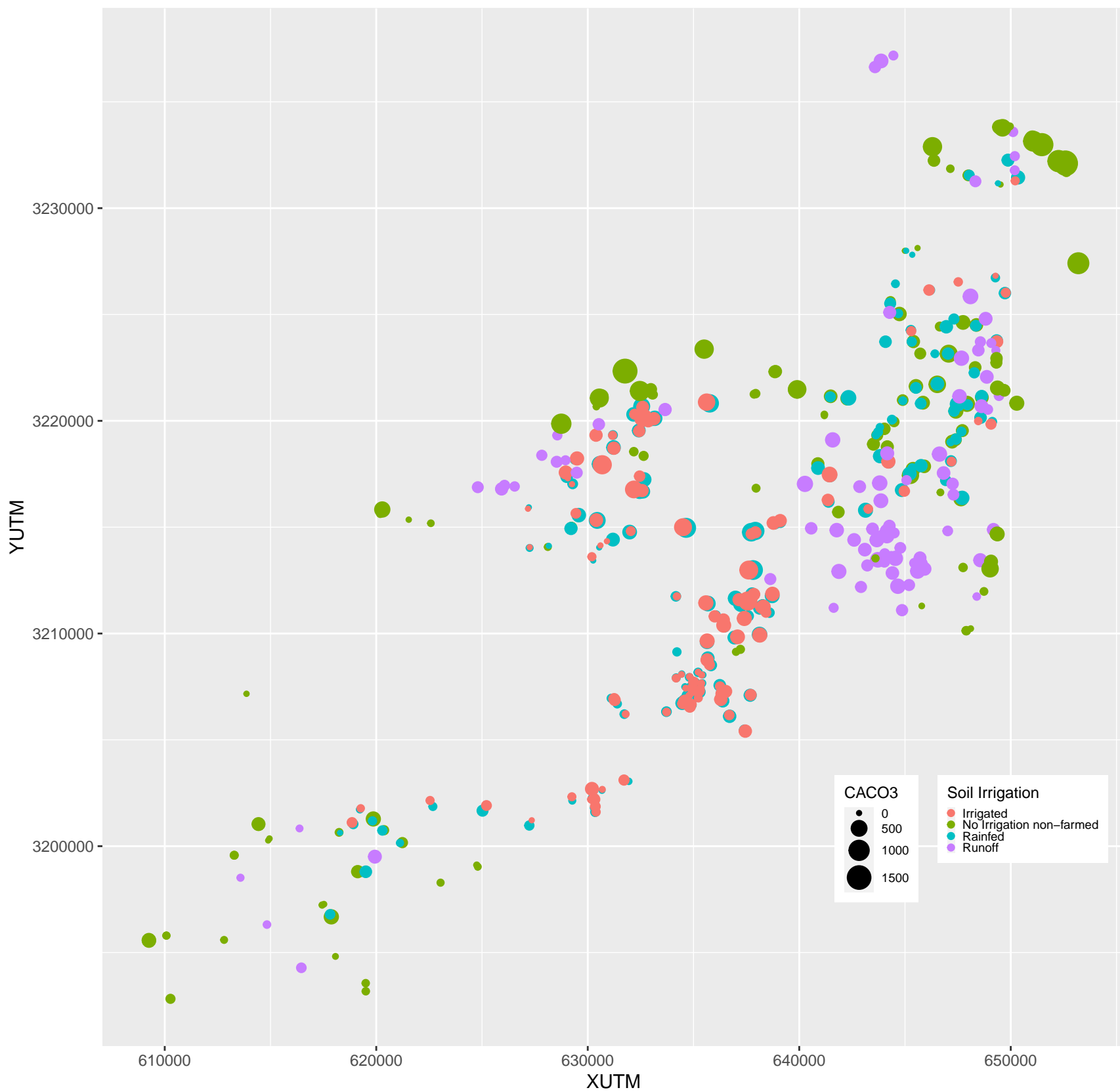
CACO3 according to location and Soil Farming



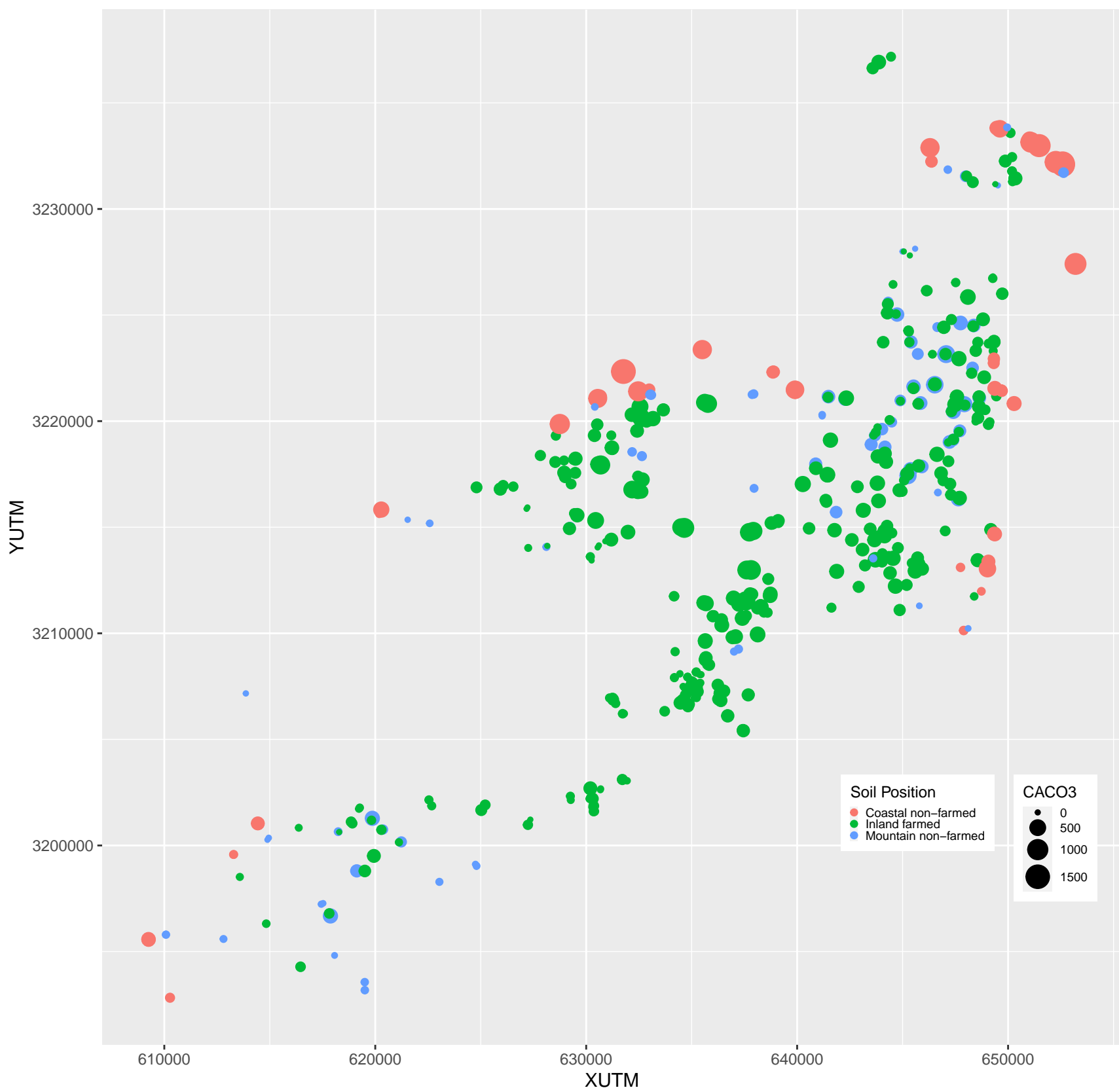
CACO3 according to location and Soil Mulching



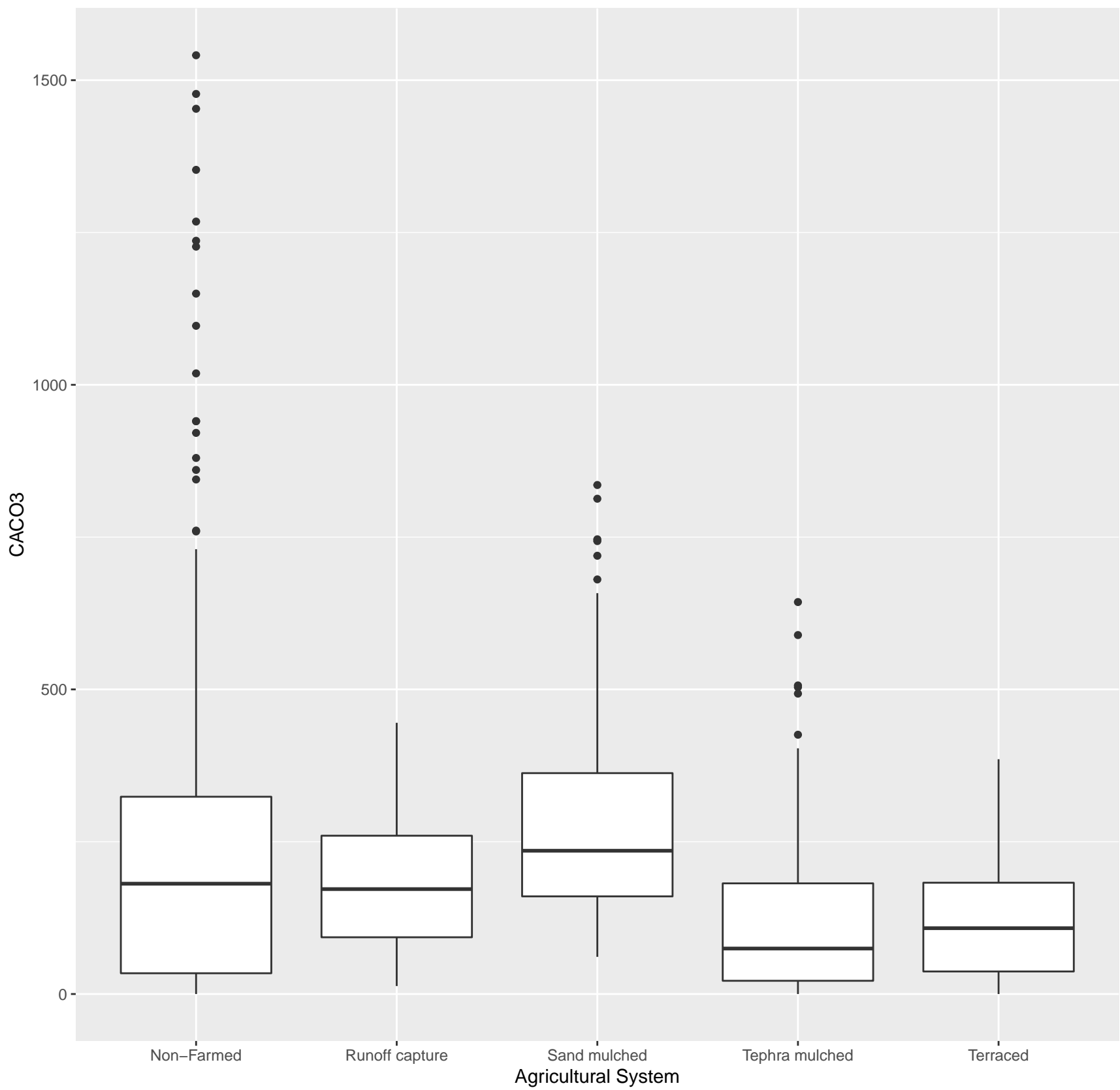
CACO3 according to location and Soil Irrigation



CACO3 according to location and Soil Position



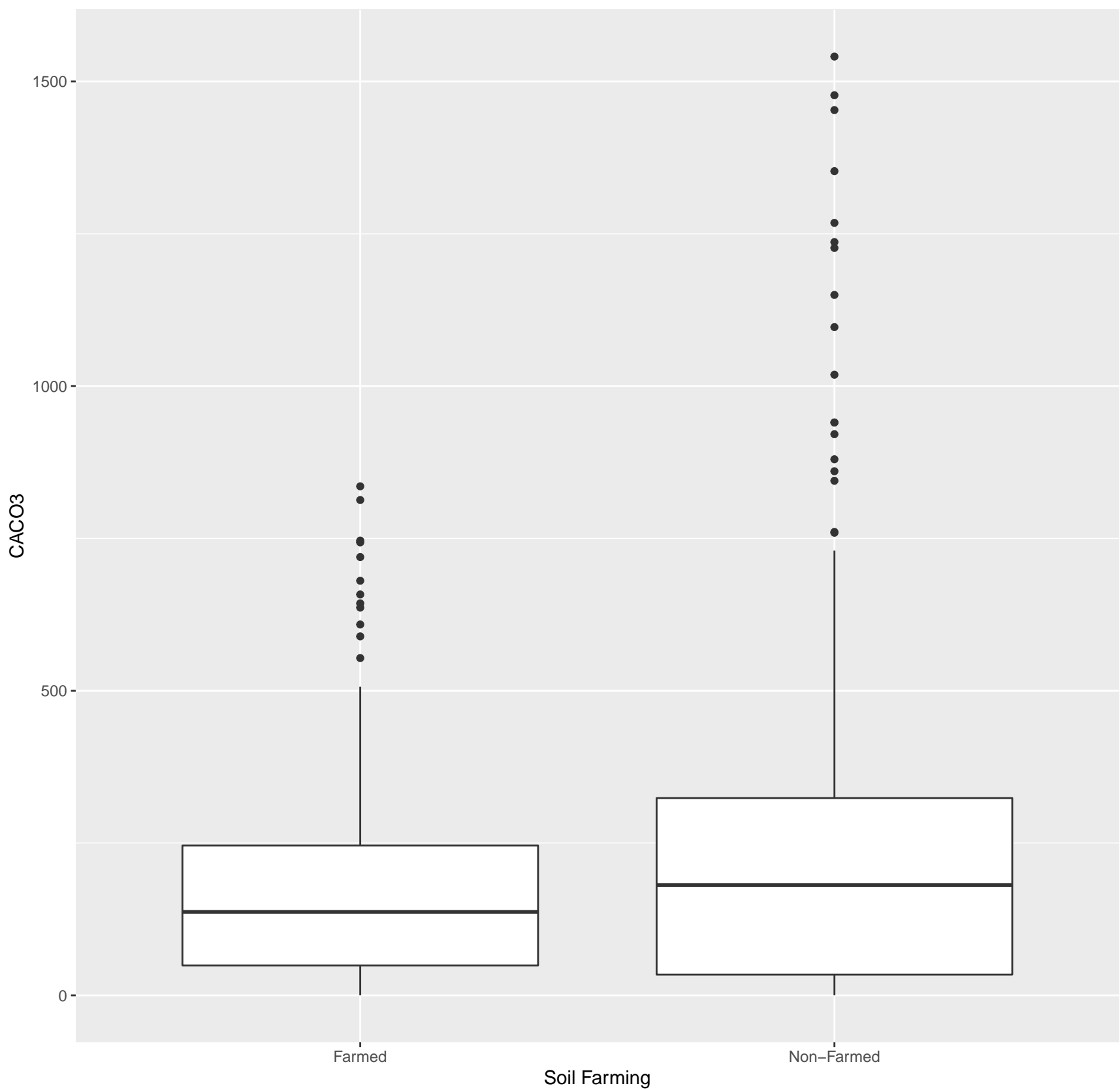
CACO3 to Agricultural System



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	CACO3	Non-Farmed	Runoff capture	178	83	7163.0	6.94e-01	9.48e-01	ns
2	CACO3	Non-Farmed	Sand mulched	178	60	3948.0	3.00e-03	1.00e-02	*
3	CACO3	Non-Farmed	Tephra mulched	178	160	18104.0	1.65e-05	1.16e-04	***
4	CACO3	Non-Farmed	Terraced	178	50	5535.0	9.00e-03	2.60e-02	*
5	CACO3	Runoff capture	Sand mulched	83	60	1659.0	6.80e-04	3.00e-03	**
6	CACO3	Runoff capture	Tephra mulched	83	160	9311.5	2.74e-07	2.19e-06	****
7	CACO3	Runoff capture	Terraced	83	50	2834.0	4.26e-04	3.00e-03	**
8	CACO3	Sand mulched	Tephra mulched	60	160	7804.0	9.09e-13	9.09e-12	****
9	CACO3	Sand mulched	Terraced	60	50	2431.0	2.32e-08	2.09e-07	****
10	CACO3	Tephra mulched	Terraced	160	50	3731.0	4.74e-01	9.48e-01	ns

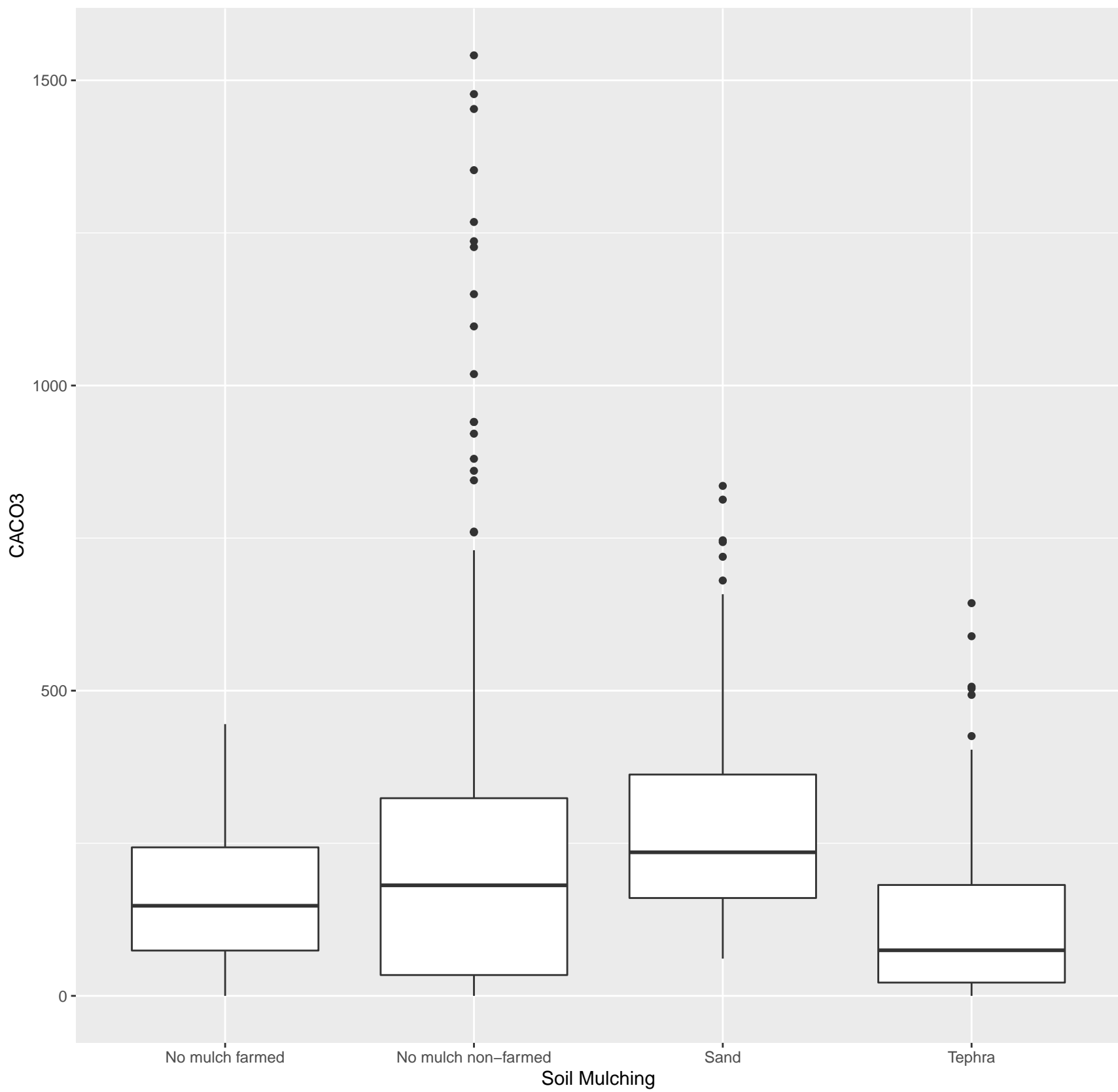
CACO3 to Soil Farming



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	CACO3	Farmed	Non-Farmed	353	178	28084	0.0459

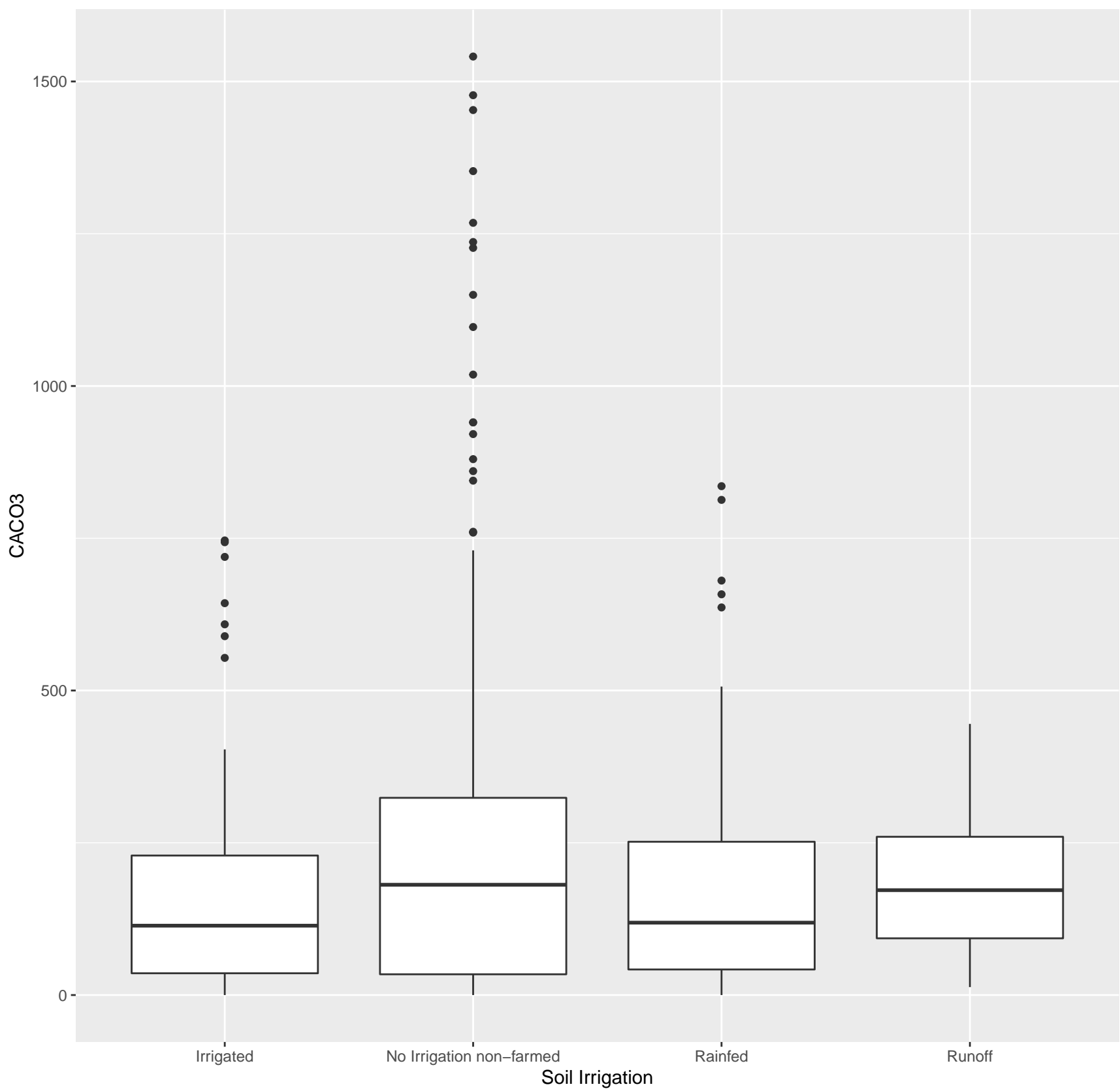
CACO3 to Soil Mulching



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	CACO3	No mulch farmed	No mulch non-farmed	133	178	10976.0	2.73e-01	2.73e-01	ns
2	CACO3	No mulch farmed	Sand	133	60	2228.0	9.38e-07	4.69e-06	****
3	CACO3	No mulch farmed	Tephra	133	160	13580.5	4.66e-05	1.40e-04	***
4	CACO3	No mulch non-farmed	Sand	178	60	3948.0	3.00e-03	5.00e-03	**
5	CACO3	No mulch non-farmed	Tephra	178	160	18104.0	1.65e-05	6.60e-05	****
6	CACO3	Sand	Tephra	60	160	7804.0	9.09e-13	5.45e-12	****

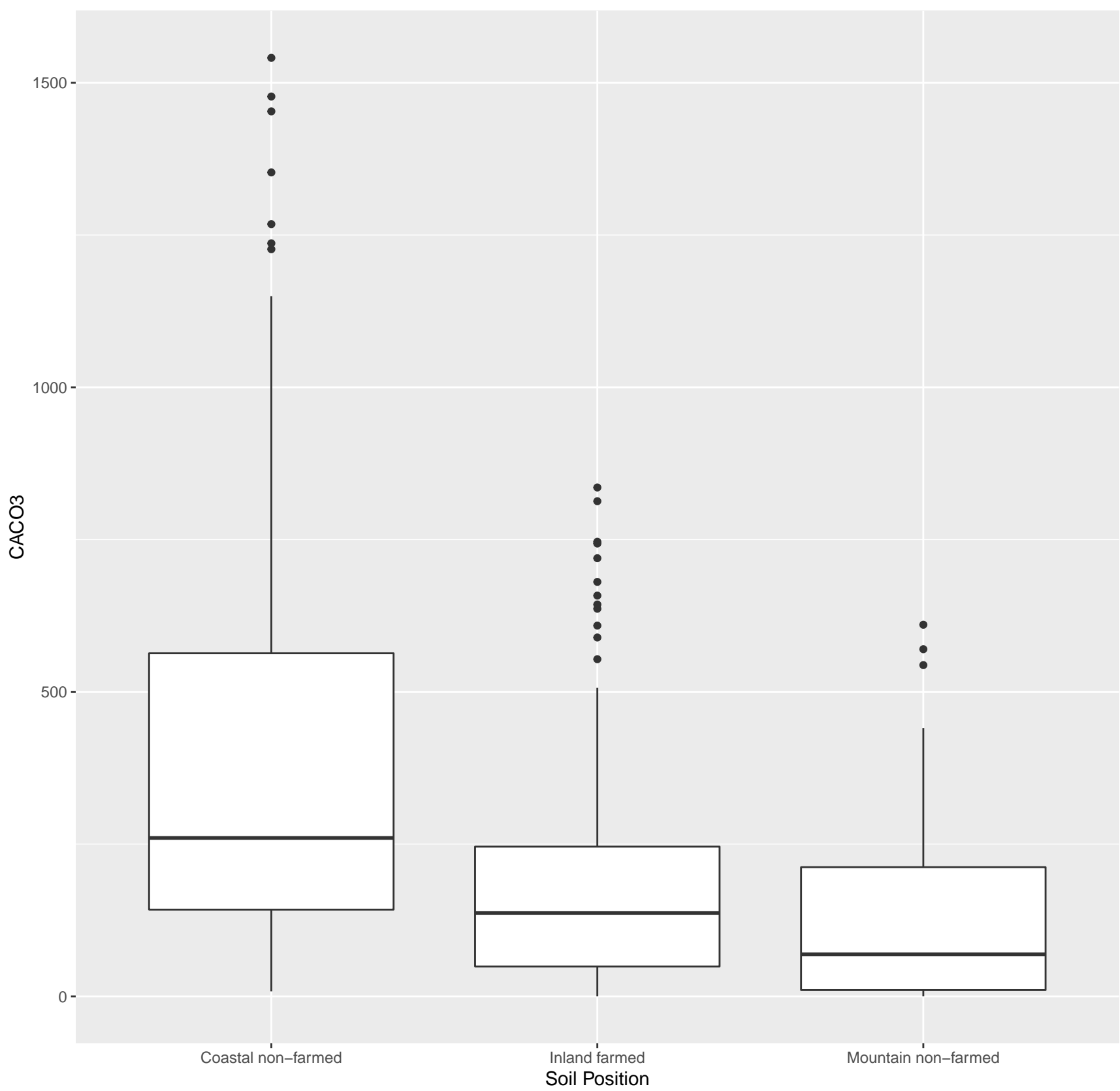
CACO3 to Soil Irrigation



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	CACO3	Irrigated	No Irrigation non-farmed	110	178	8181.0	0.019	0.077	ns
2	CACO3	Irrigated	Rainfed	110	160	8577.5	0.725	1.000	ns
3	CACO3	Irrigated	Runoff	110	83	3461.5	0.004	0.024	*
4	CACO3	No Irrigation non-farmed	Rainfed	178	160	16188.0	0.030	0.090	ns
5	CACO3	No Irrigation non-farmed	Runoff	178	83	7163.0	0.694	1.000	ns
6	CACO3	Rainfed	Runoff	160	83	5144.0	0.004	0.024	*

CACO3 to Soil Position



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	CACO3	Coastal non-farmed	Inland farmed	92	353	22750	3.08e-09	6.16e-09	****
2	CACO3	Coastal non-farmed	Mountain non-farmed	92	86	6100	4.39e-10	1.32e-09	****
3	CACO3	Inland farmed	Mountain non-farmed	353	86	18358	3.00e-03	3.00e-03	**