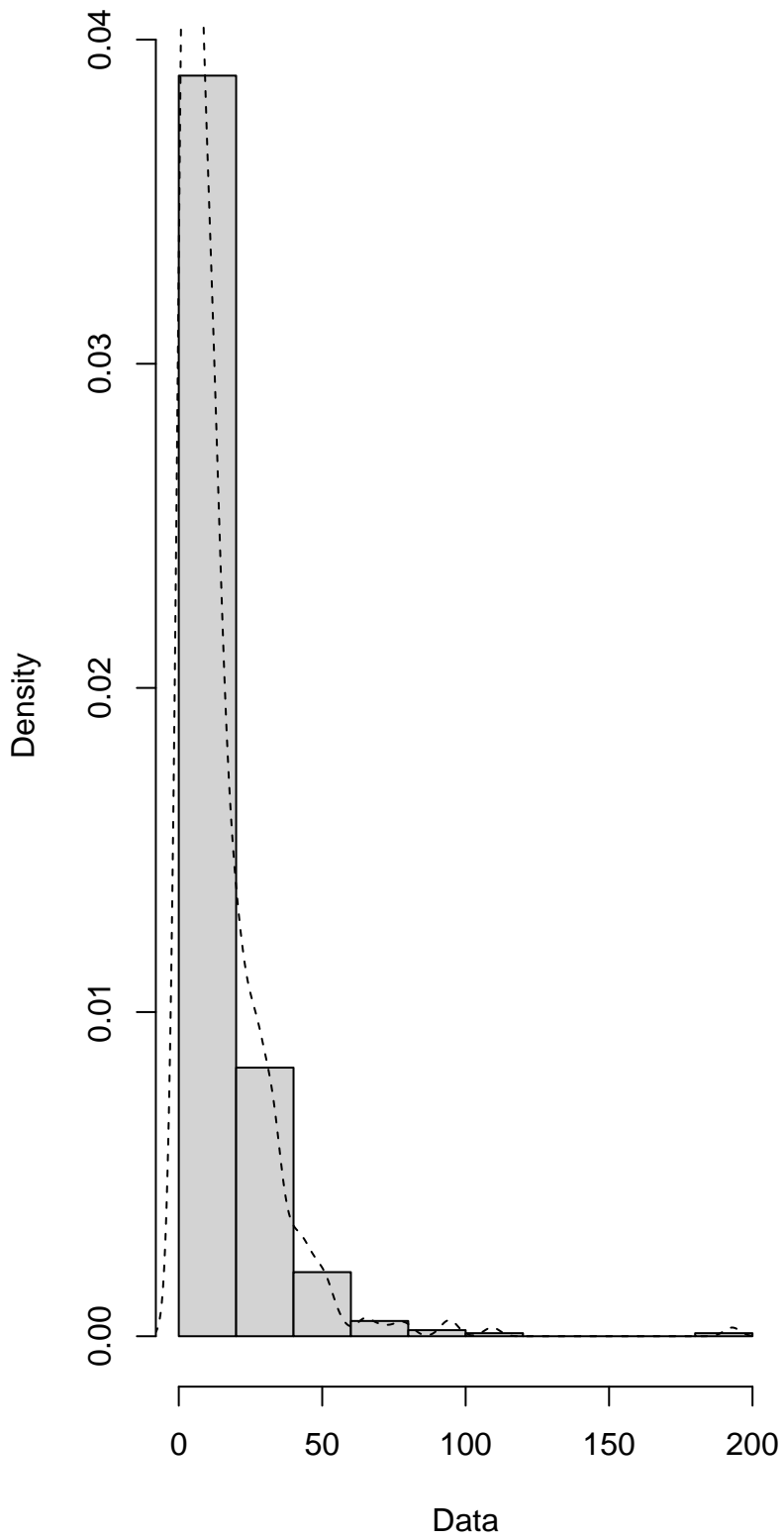


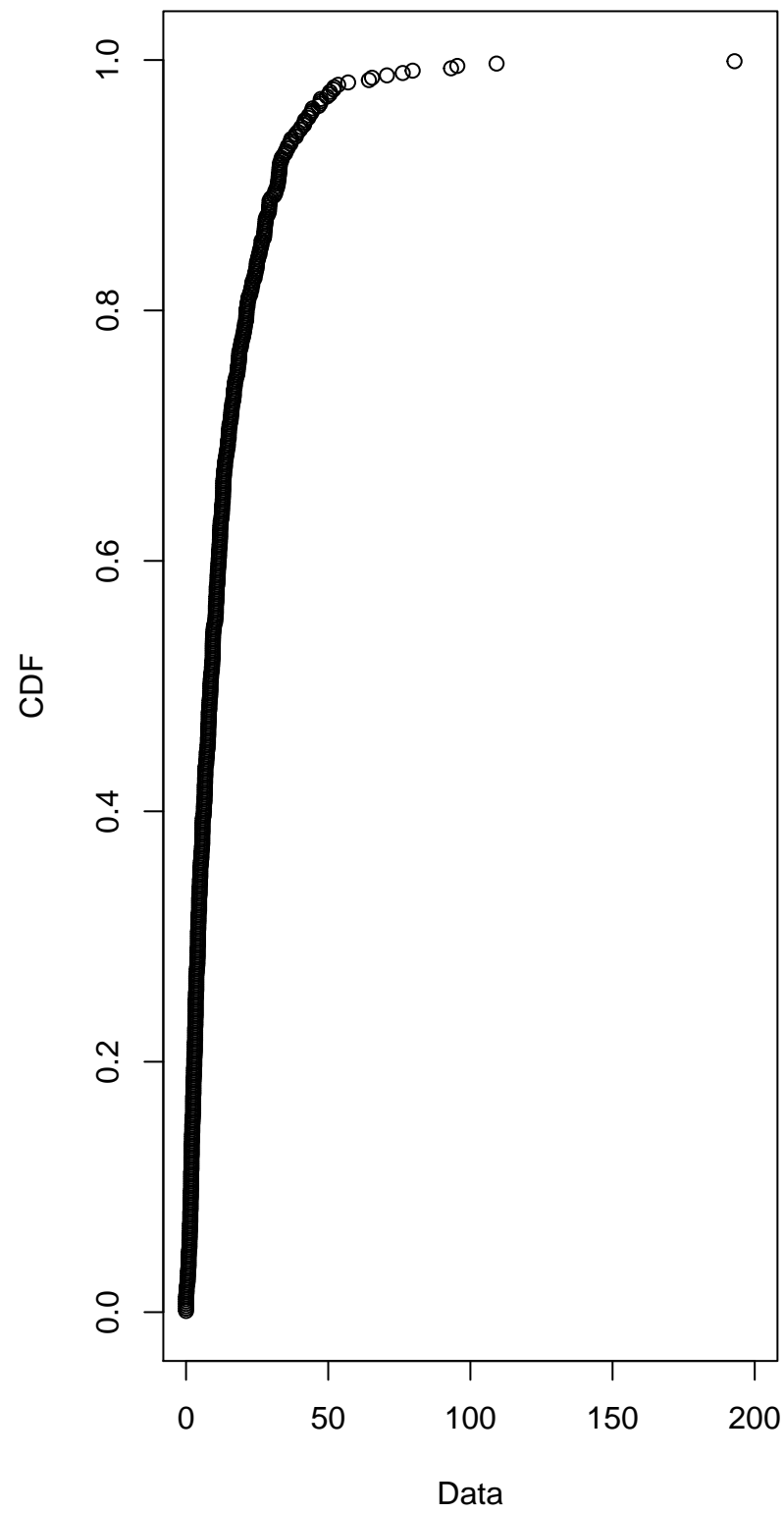
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	3.45	8.60	13.60	18.04	192.90	84

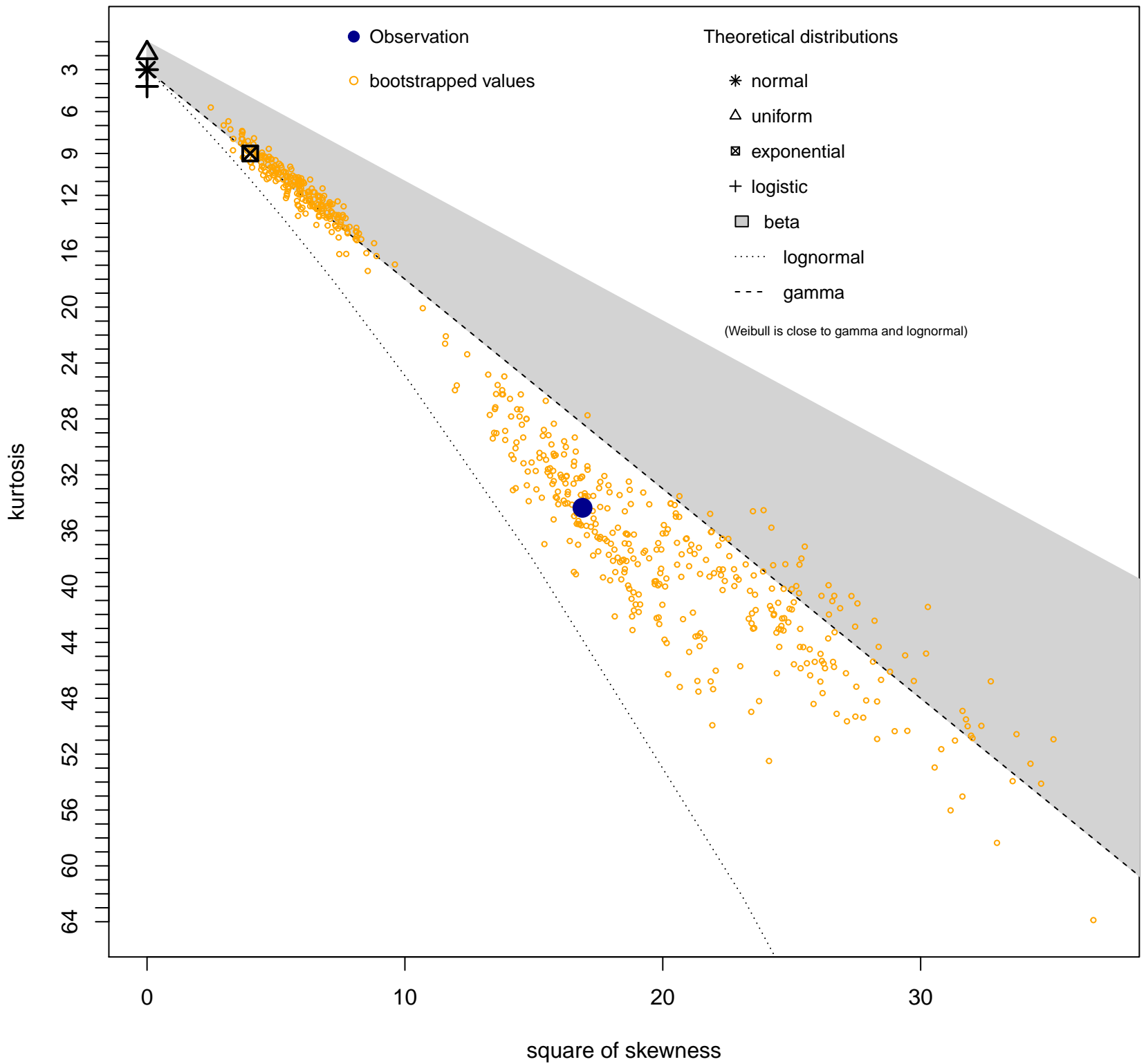
Empirical density



Cumulative distribution



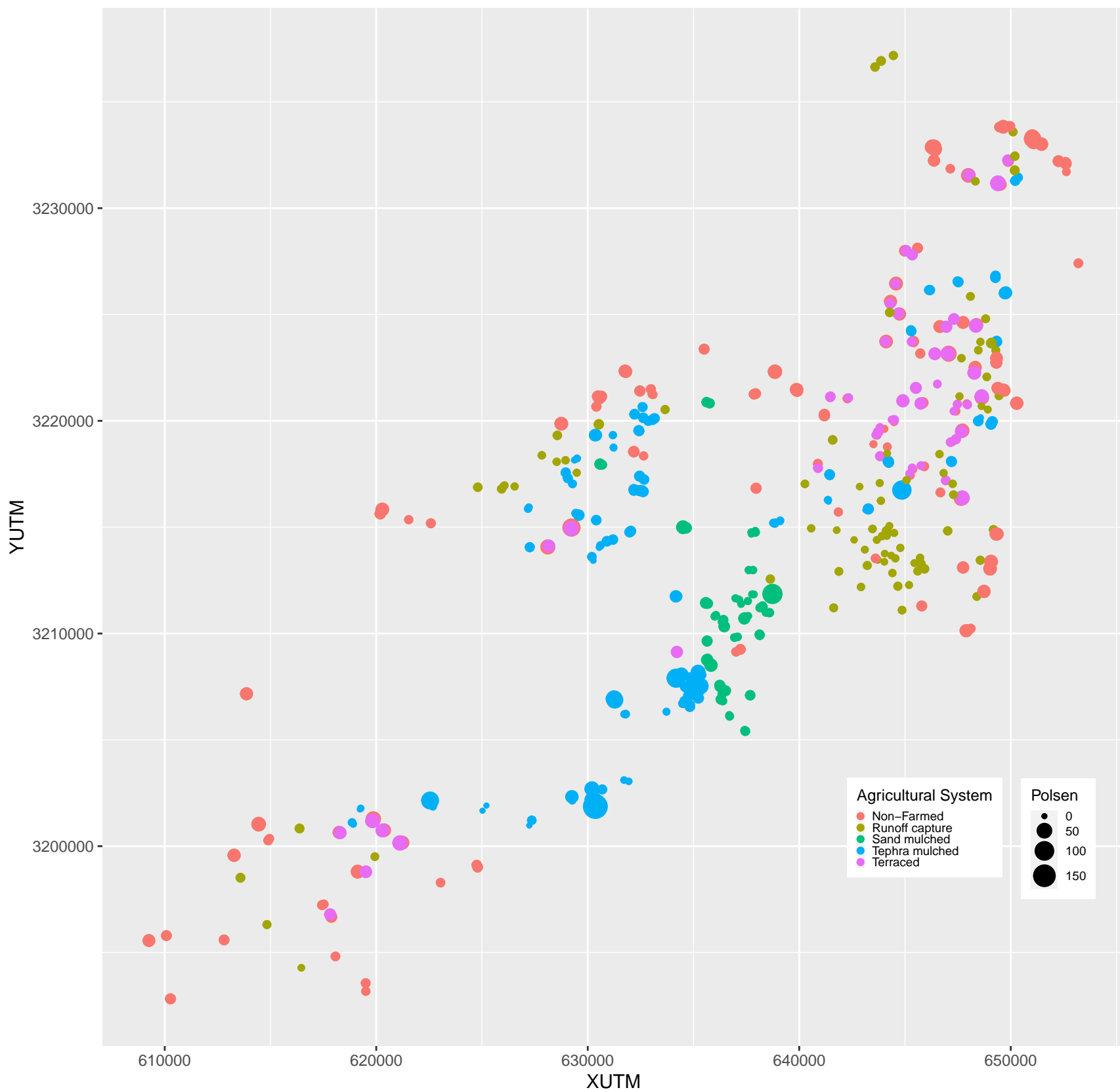
Cullen and Frey graph



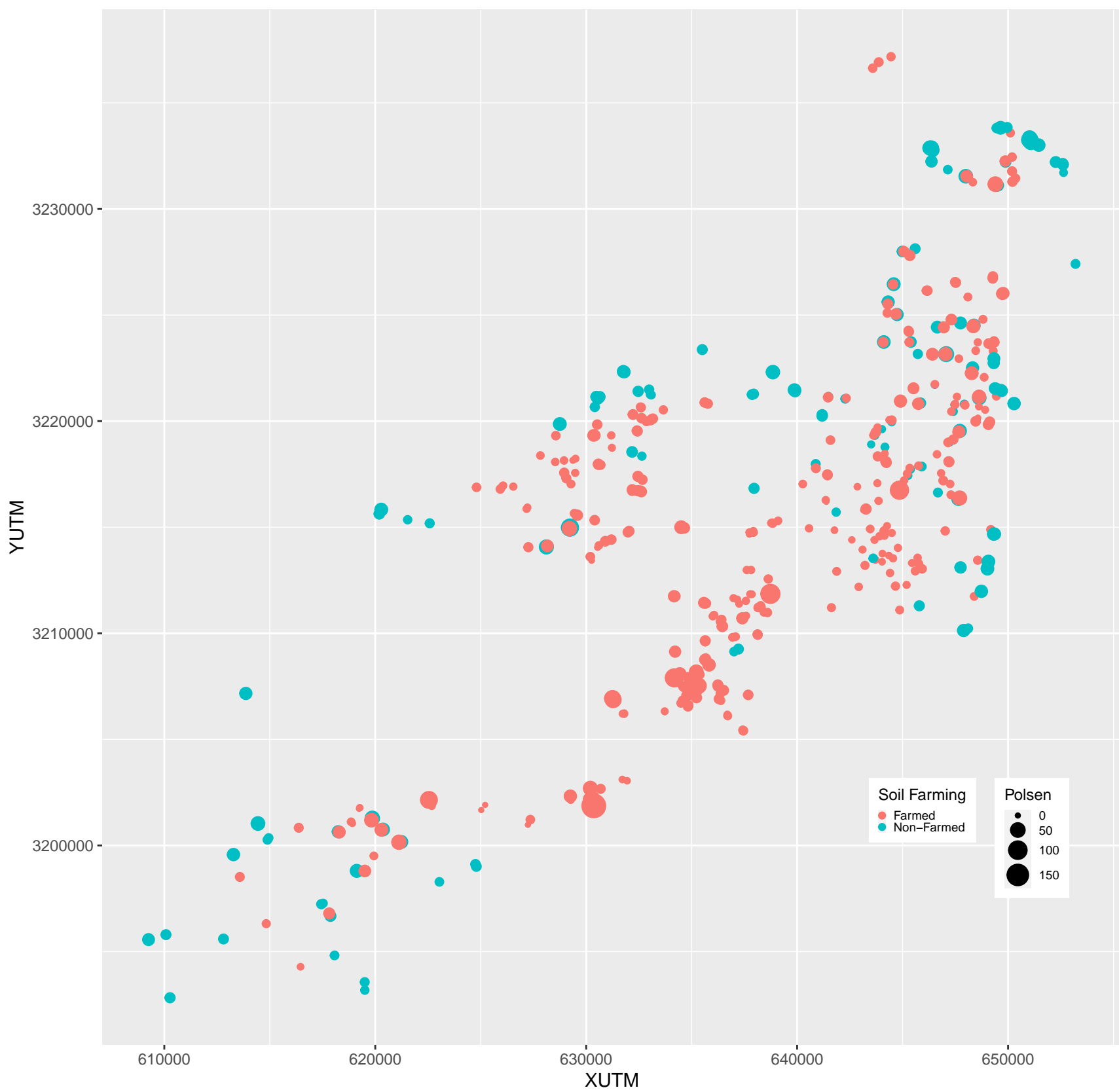
Shapiro–Wilk test for normality

Shapiro–Wilk normality test
data: dataframe[, variable_chr]
W = 0.67353, p-value < 2.2e-16

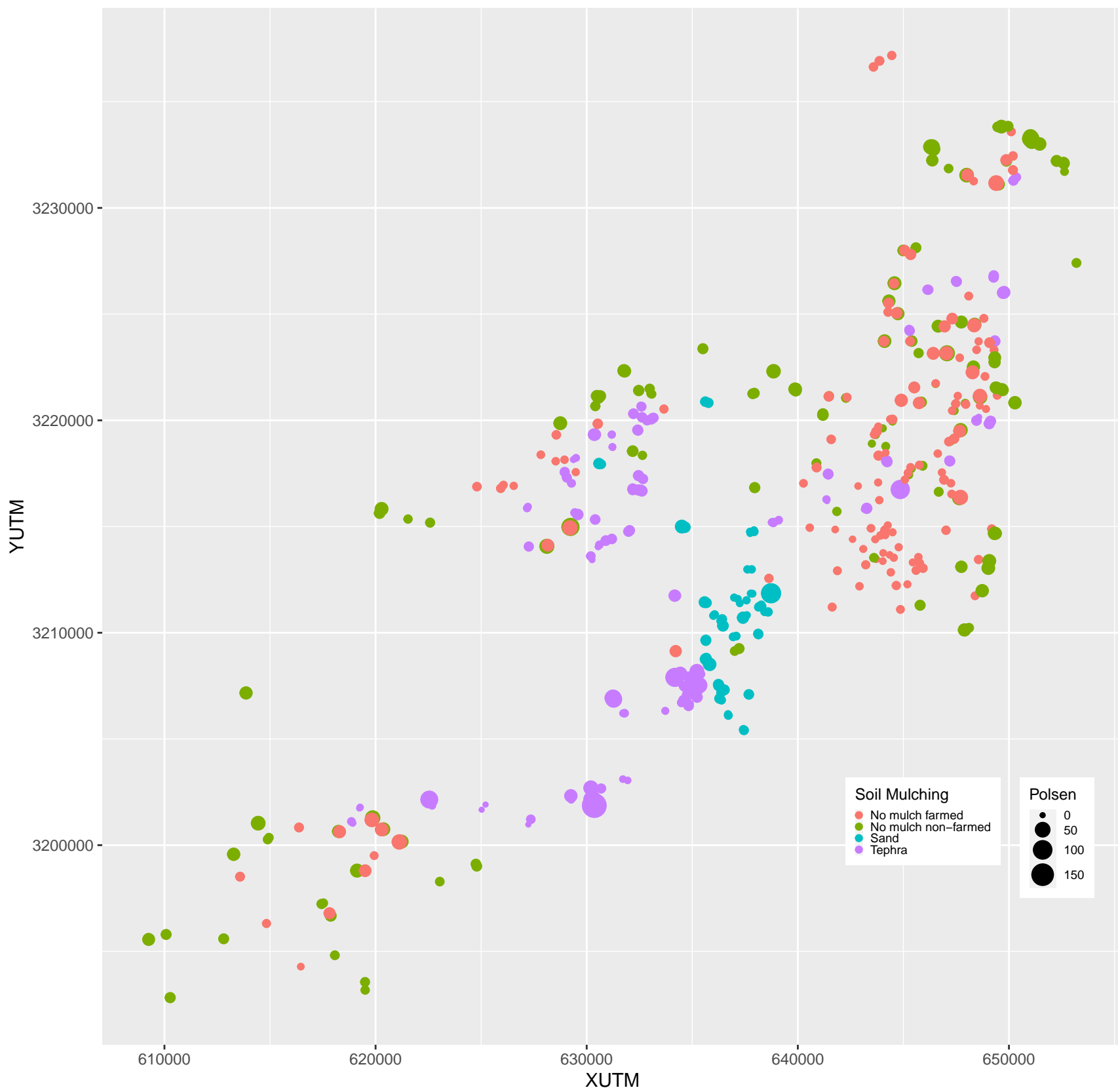
Polсен according to location and Agricultural System



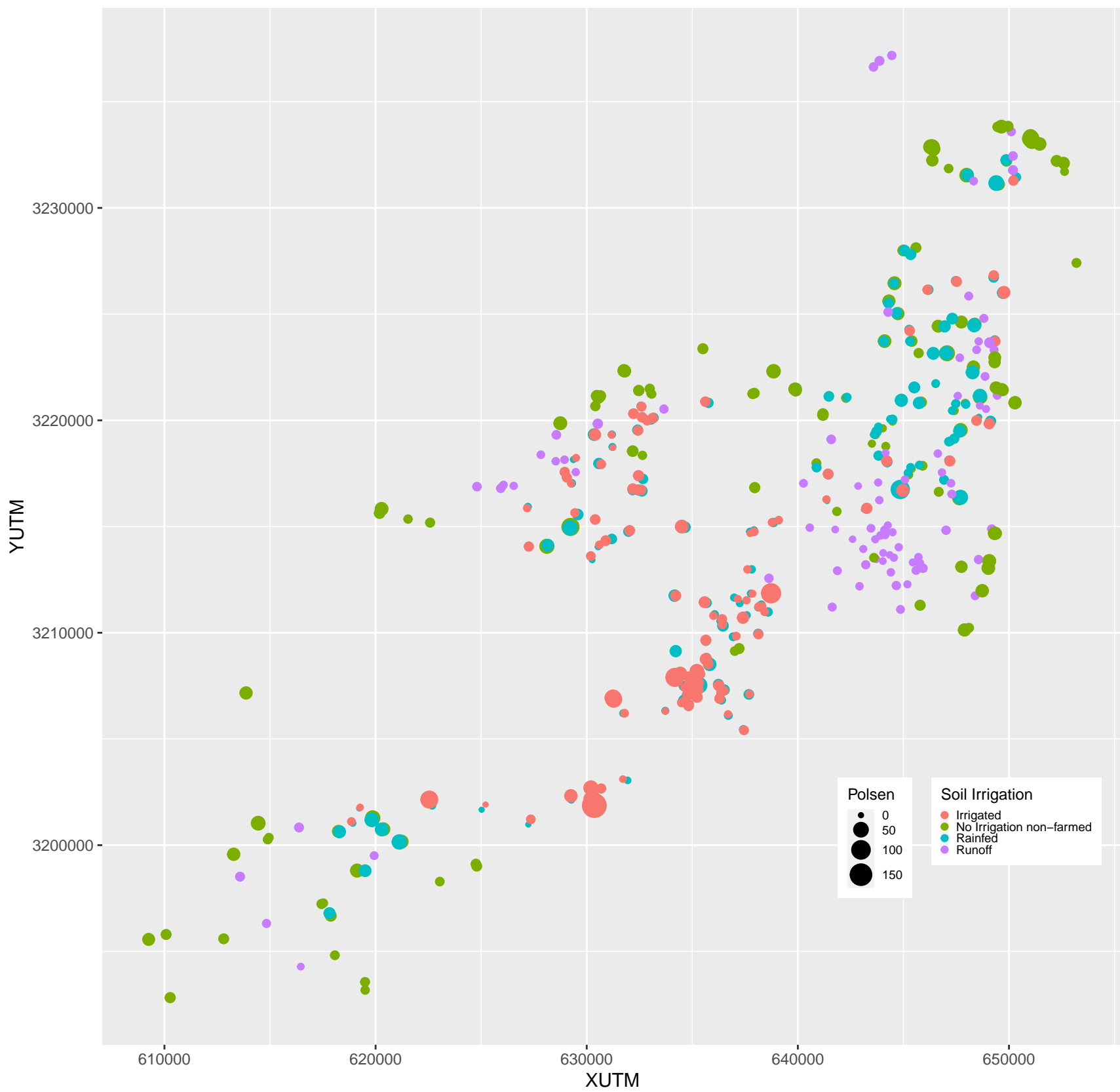
Polisen according to location and Soil Farming



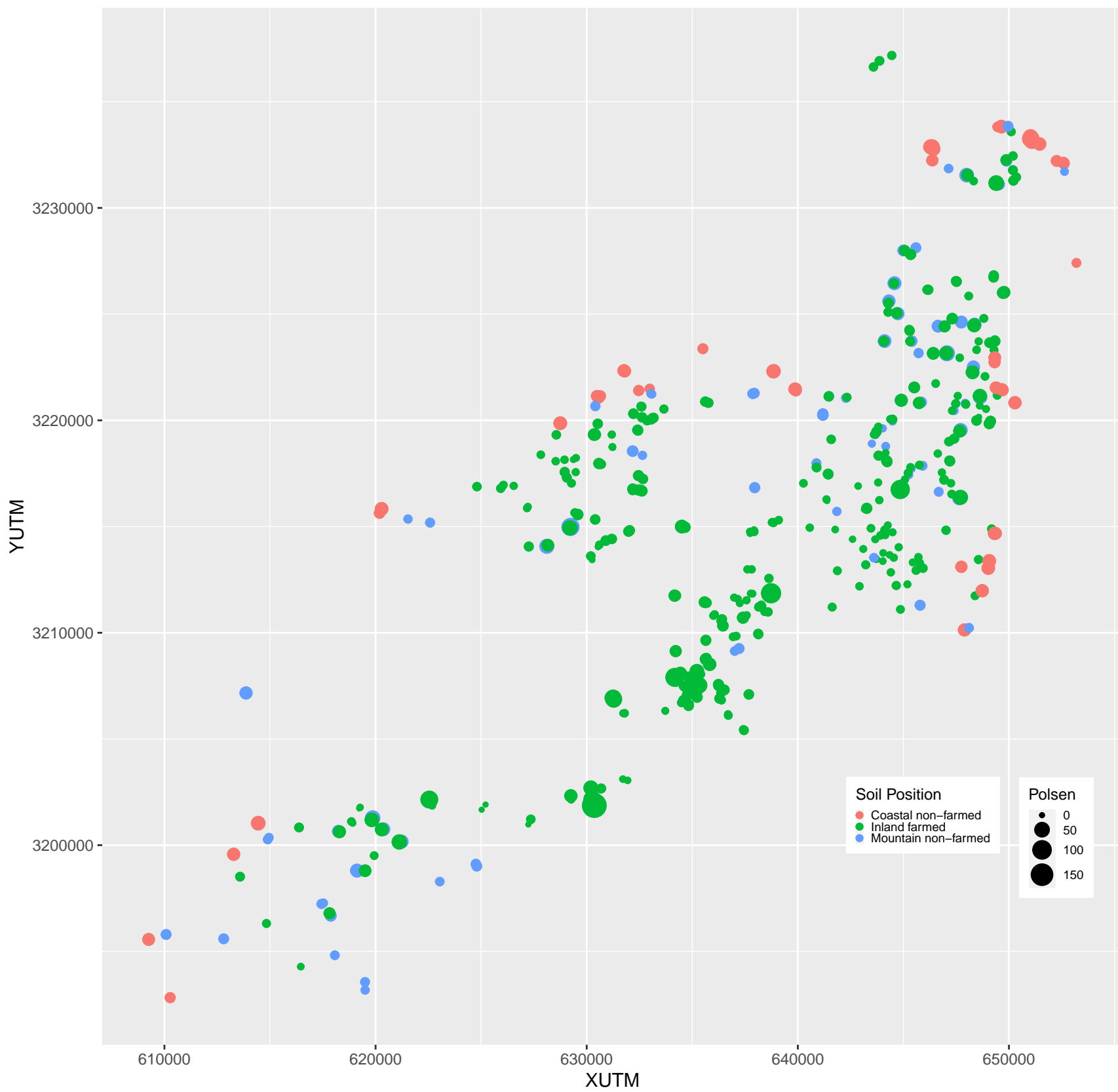
Polisen according to location and Soil Mulching



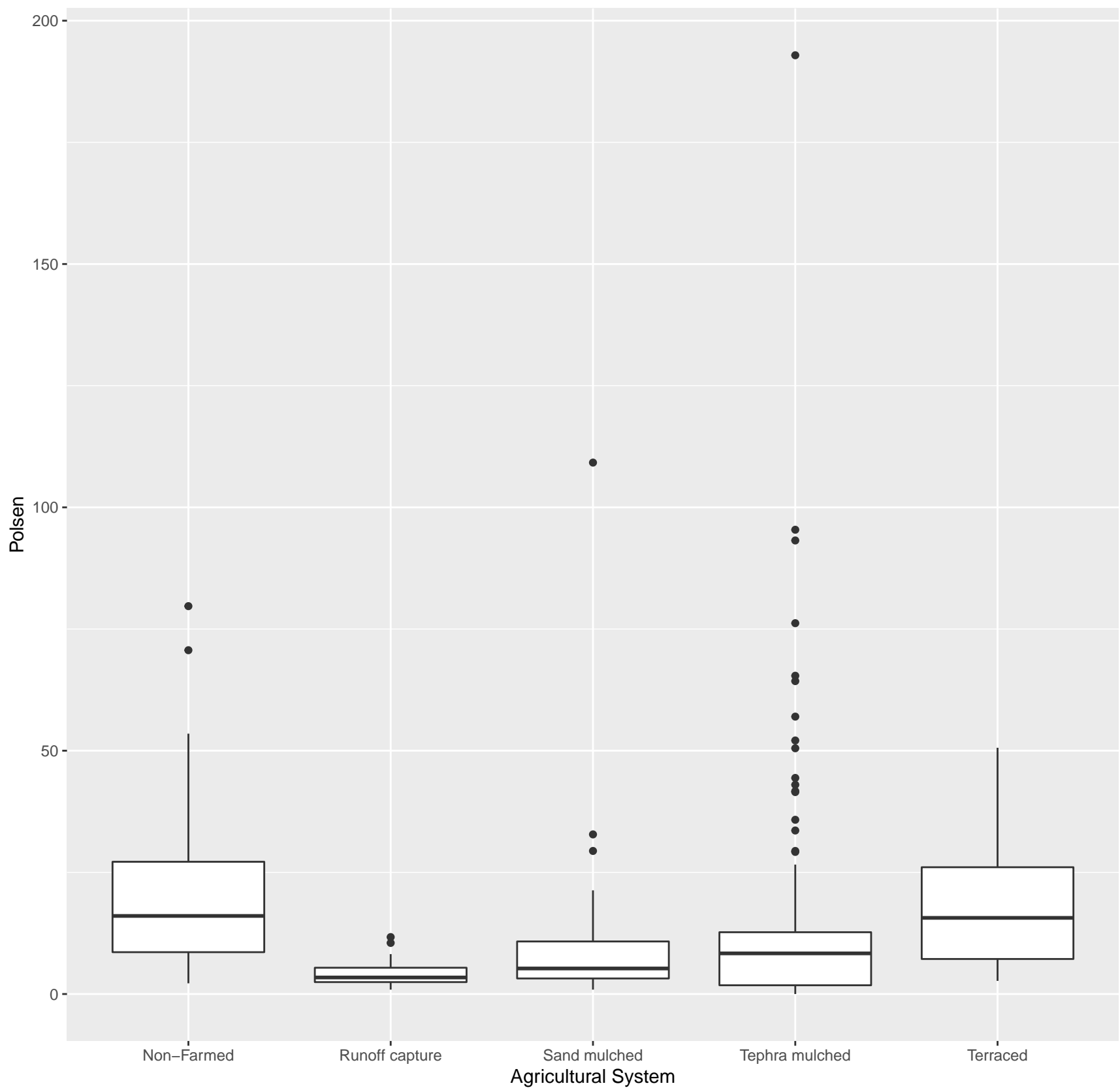
Polisen according to location and Soil Irrigation



Polisen according to location and Soil Position



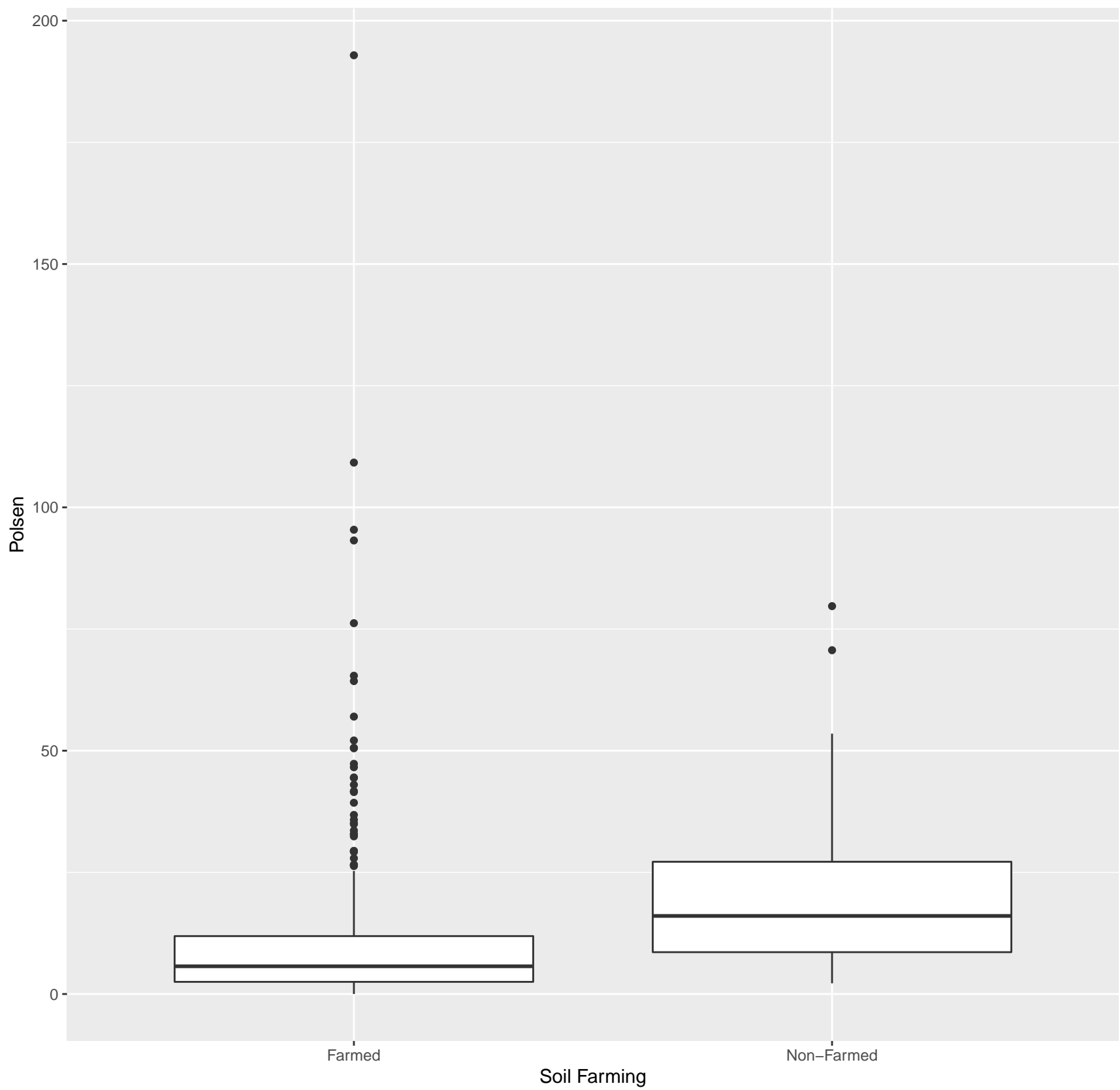
Polsern to Agricultural System



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	Polsen	Non-Farmed	Runoff capture	178	83	13720.0	7.15e-29	7.15e-28	****
2	Polsen	Non-Farmed	Sand mulched	178	60	8365.5	5.42e-11	3.79e-10	****
3	Polsen	Non-Farmed	Tephra mulched	178	160	20740.0	4.29e-13	3.43e-12	****
4	Polsen	Non-Farmed	Terraced	178	50	4658.5	6.14e-01	1.00e+00	ns
5	Polsen	Runoff capture	Sand mulched	83	60	1563.5	1.51e-04	6.04e-04	***
6	Polsen	Runoff capture	Tephra mulched	83	160	4880.0	7.08e-04	2.00e-03	**
7	Polsen	Runoff capture	Terraced	83	50	451.5	4.69e-14	4.22e-13	****
8	Polsen	Sand mulched	Tephra mulched	60	160	4859.0	8.89e-01	1.00e+00	ns
9	Polsen	Sand mulched	Terraced	60	50	762.0	9.53e-06	5.72e-05	****
10	Polsen	Tephra mulched	Terraced	160	50	2385.5	1.68e-05	8.40e-05	****

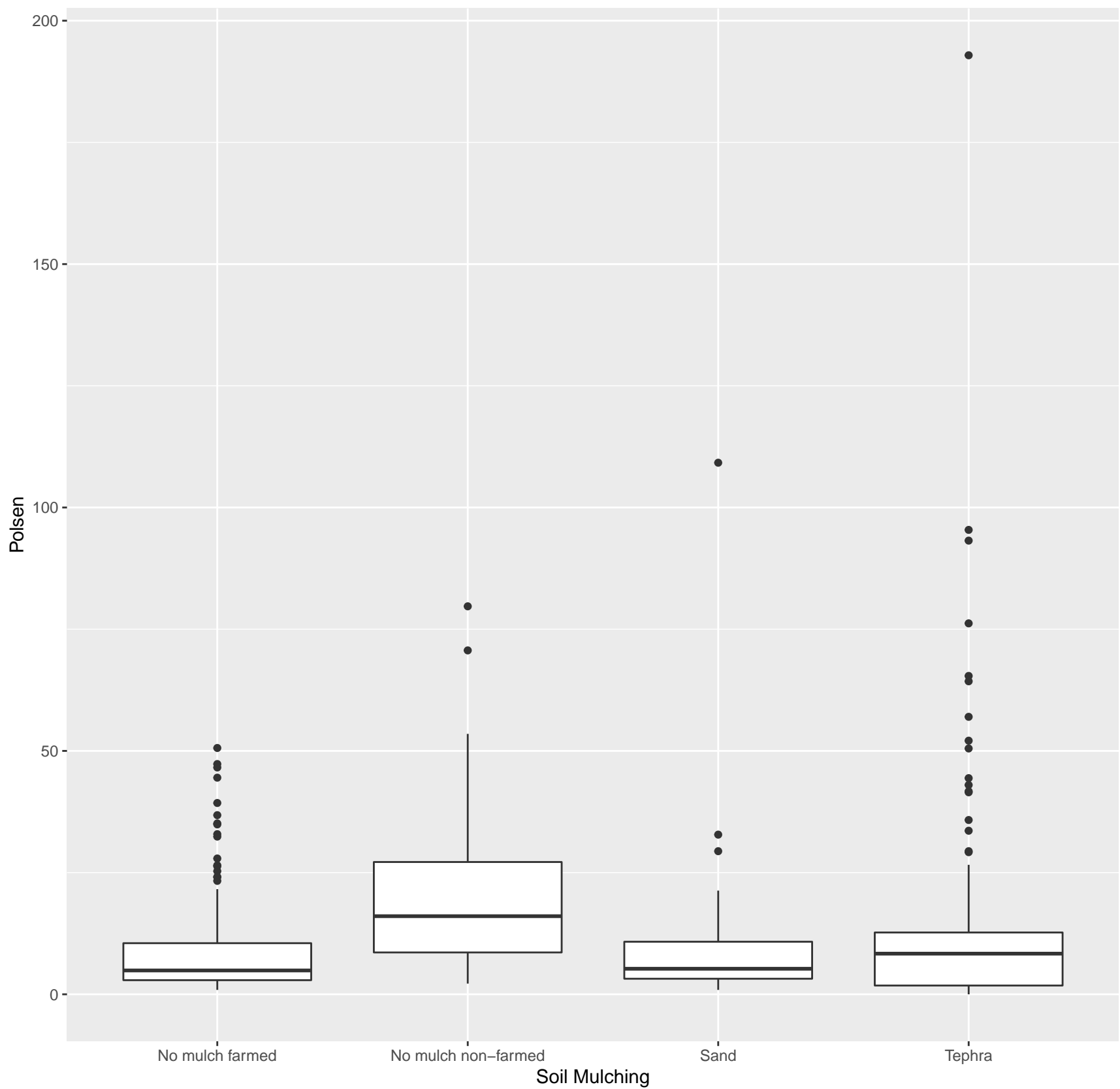
Polisen to Soil Farming



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	Polсен	Farmed	Non-Farmed	353	178	15350	6.18e-22

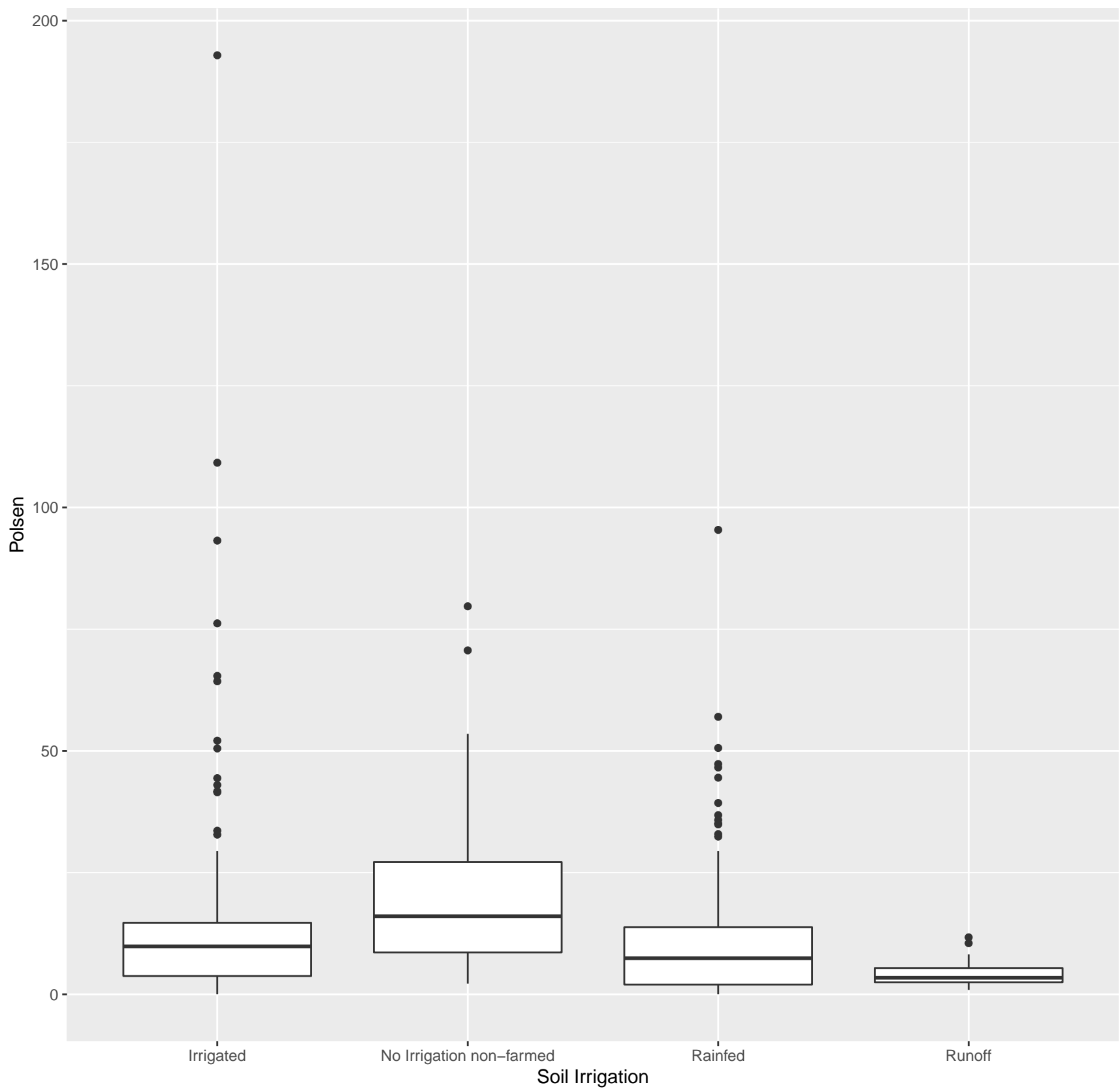
Polisen to Soil Mulching



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	Polsen	No mulch farmed	No mulch non-farmed	133	178	5295.5	7.59e-17	4.55e-16	****
2	Polsen	No mulch farmed	Sand	133	60	3801.5	6.01e-01	1.00e+00	ns
3	Polsen	No mulch farmed	Tephra	133	160	10494.5	8.41e-01	1.00e+00	ns
4	Polsen	No mulch non-farmed	Sand	178	60	8365.5	5.42e-11	2.17e-10	****
5	Polsen	No mulch non-farmed	Tephra	178	160	20740.0	4.29e-13	2.14e-12	****
6	Polsen	Sand	Tephra	60	160	4859.0	8.89e-01	1.00e+00	ns

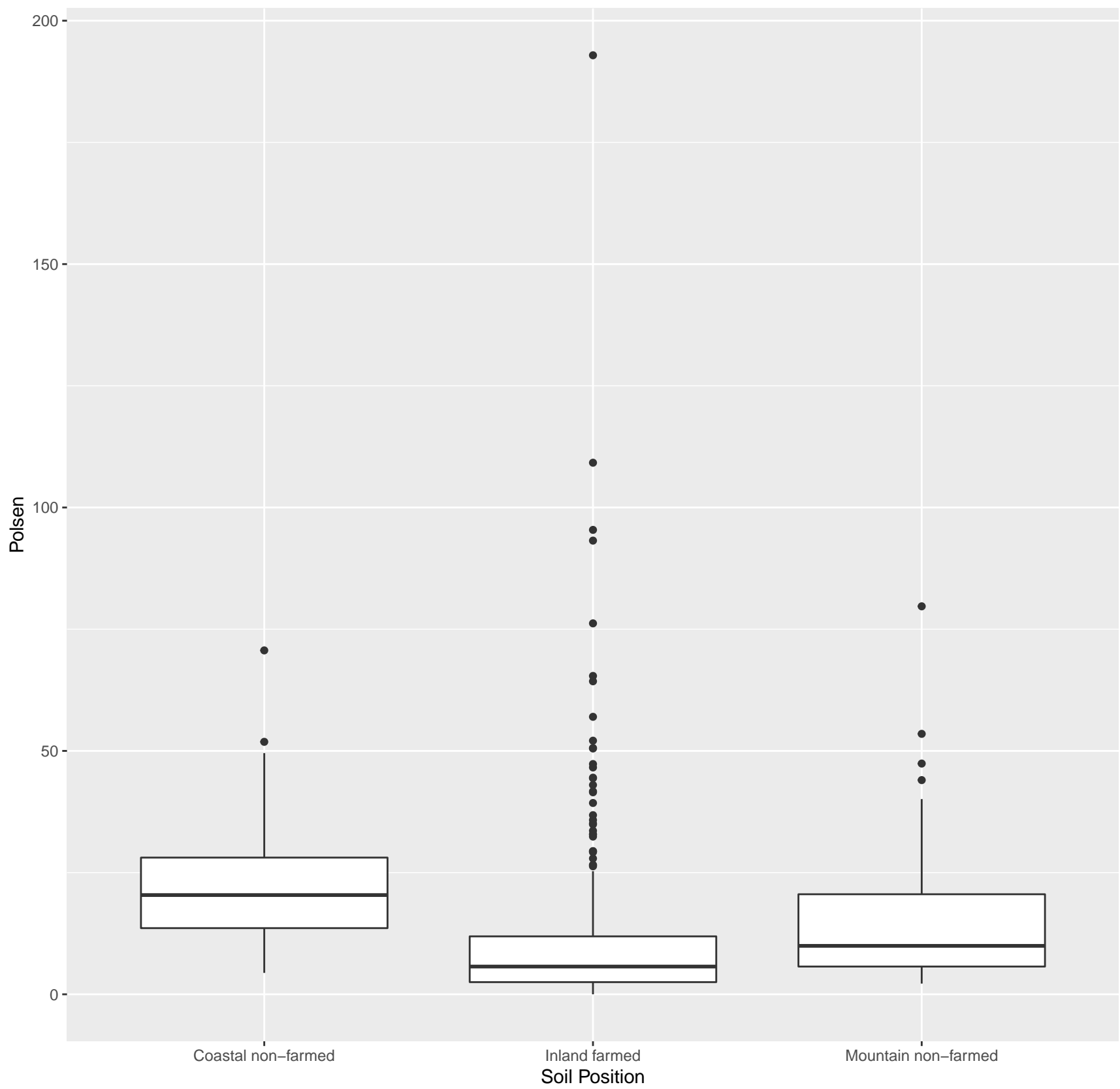
Polsern to Soil Irrigation



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.sign
1	Polsen	Irrigated	No Irrigation non-farmed	110	178	6593	3.24e-06	9.72e-06	****
2	Polsen	Irrigated	Rainfed	110	160	10207	2.60e-02	2.60e-02	*
3	Polsen	Irrigated	Runoff	110	83	6966	4.14e-10	1.66e-09	****
4	Polsen	No Irrigation non-farmed	Rainfed	178	160	20777	3.16e-13	1.58e-12	****
5	Polsen	No Irrigation non-farmed	Runoff	178	83	13720	7.15e-29	4.29e-28	****
6	Polsen	Rainfed	Runoff	160	83	8549	2.40e-04	4.80e-04	***

Polsen to Soil Position



Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	Polsen	Coastal non-farmed	Inland farmed	92	353	27139	3.34e-23	1.00e-22	****
2	Polsen	Coastal non-farmed	Mountain non-farmed	92	86	5642	9.28e-07	1.86e-06	****
3	Polsen	Inland farmed	Mountain non-farmed	353	86	10013	9.77e-07	1.86e-06	****