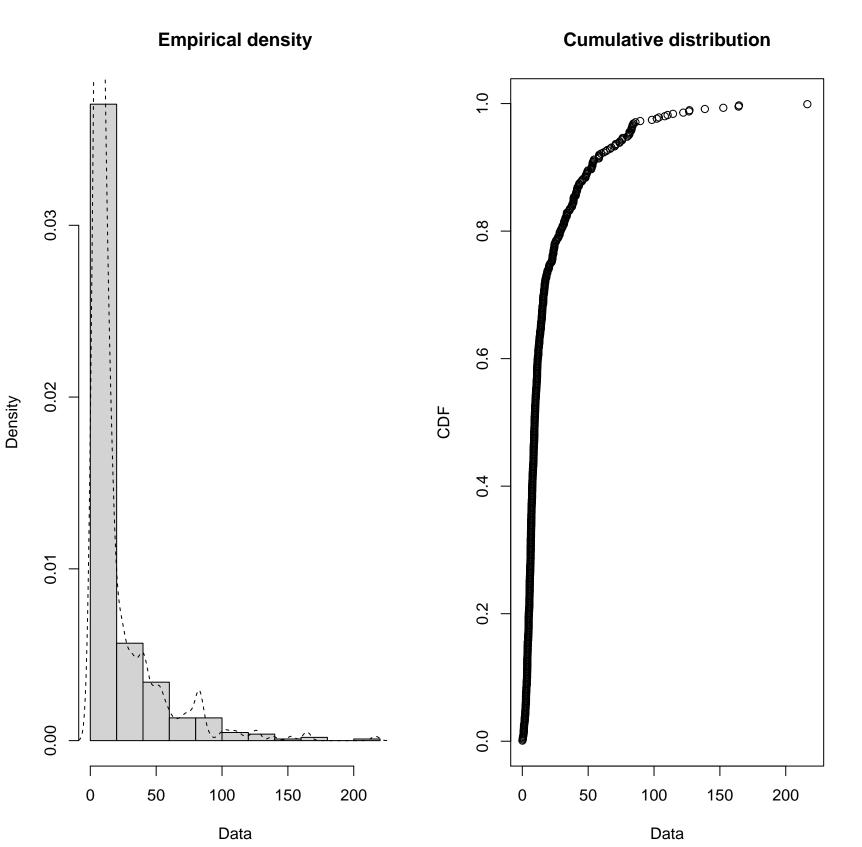
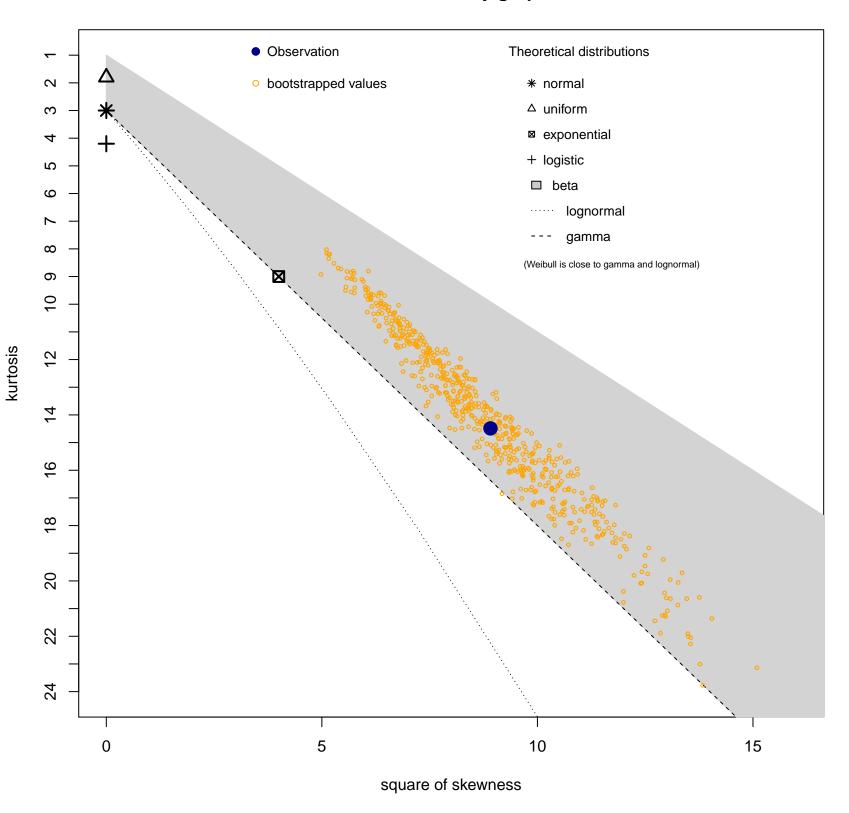
# Summary of the variable

Min. 1st Qu. Median Mean 3rd Qu. Max. NA's 0.09795 5.70000 9.34220 19.98309 21.31449 216.40000 86



#### **Cullen and Frey graph**



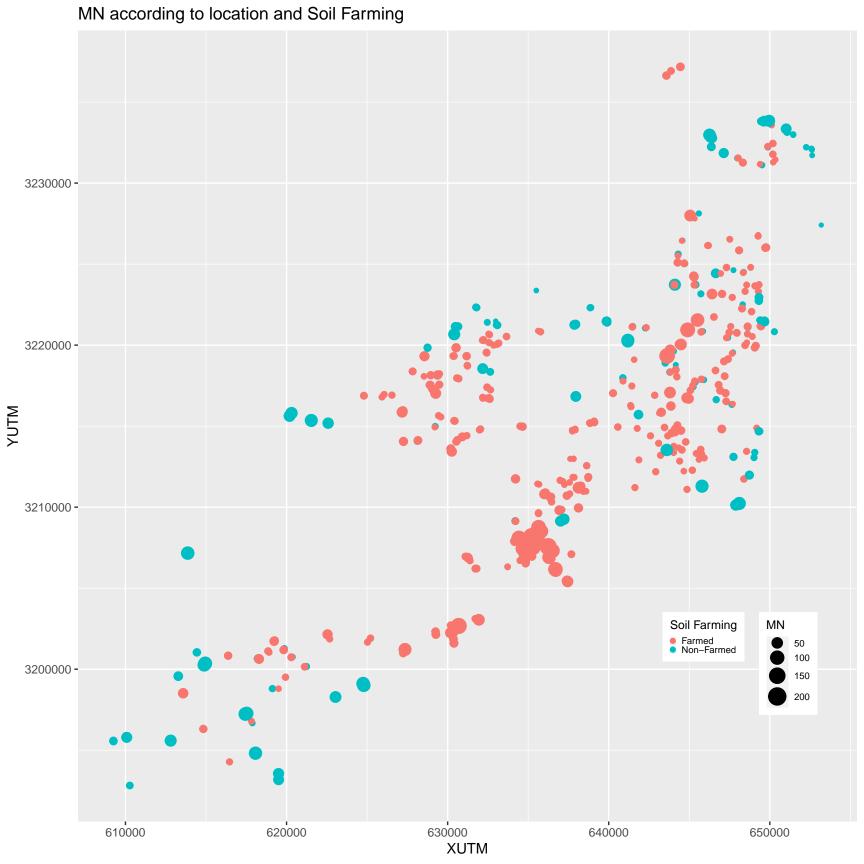
### Shapiro-Wilk test for normality

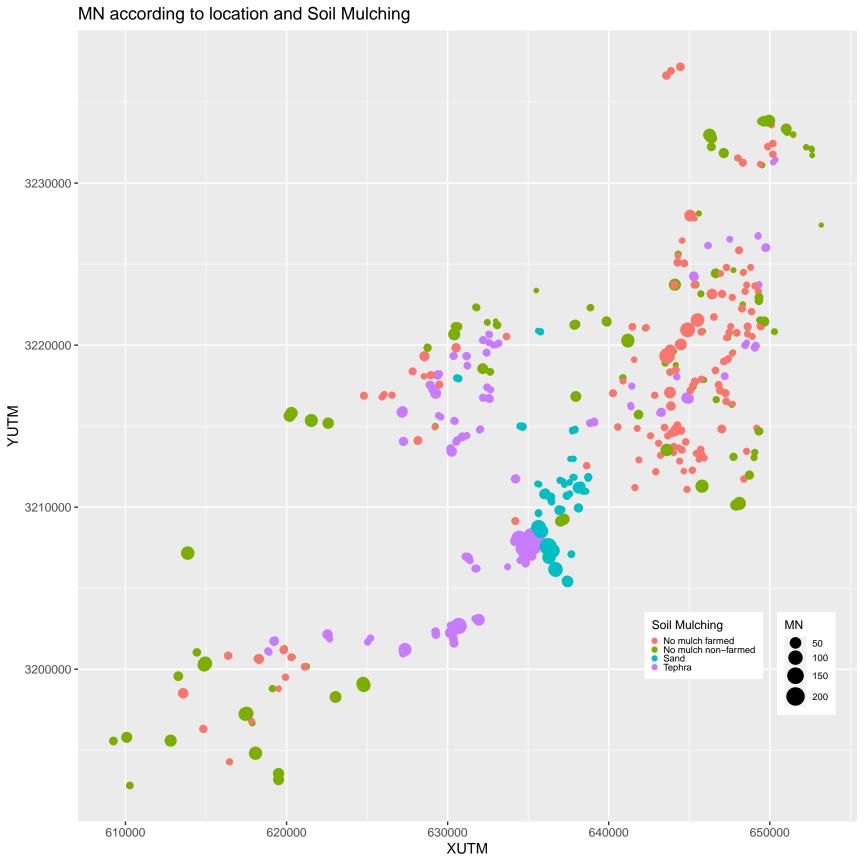
Shapiro-Wilk normality test

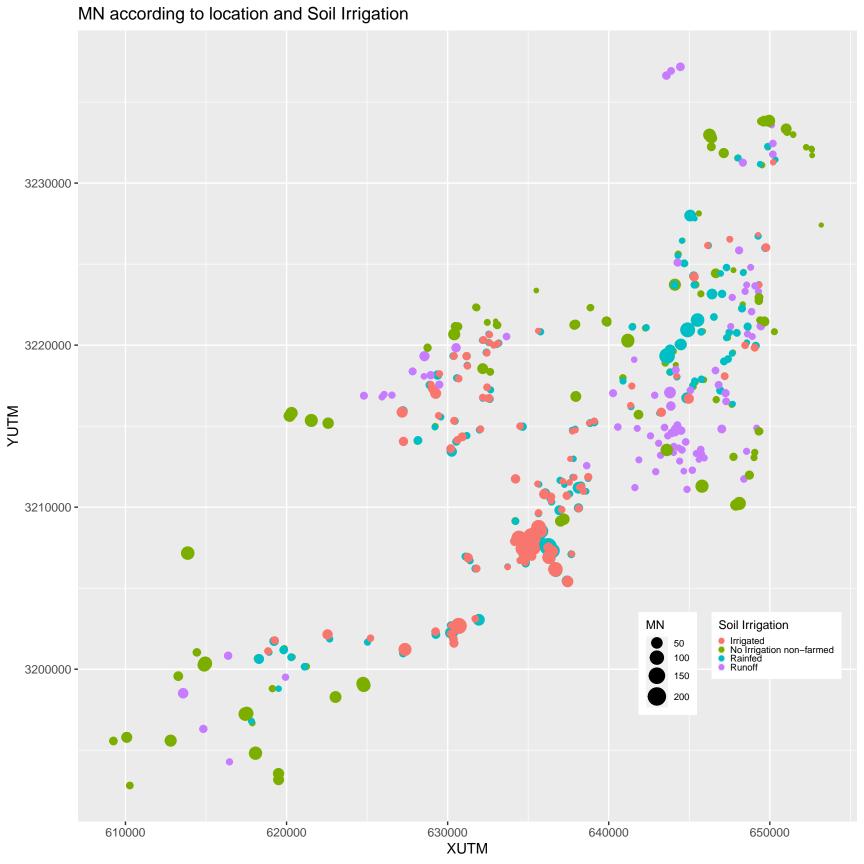
data: dataframe[, variable\_chr]

W = 0.63753, p-value < 2.2e-16





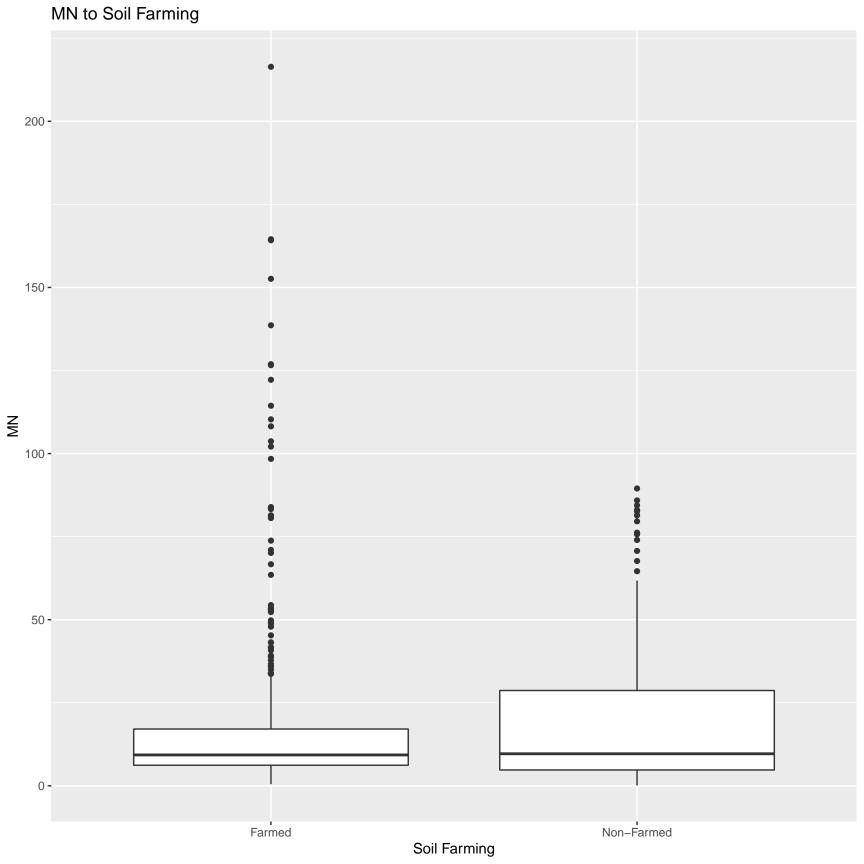




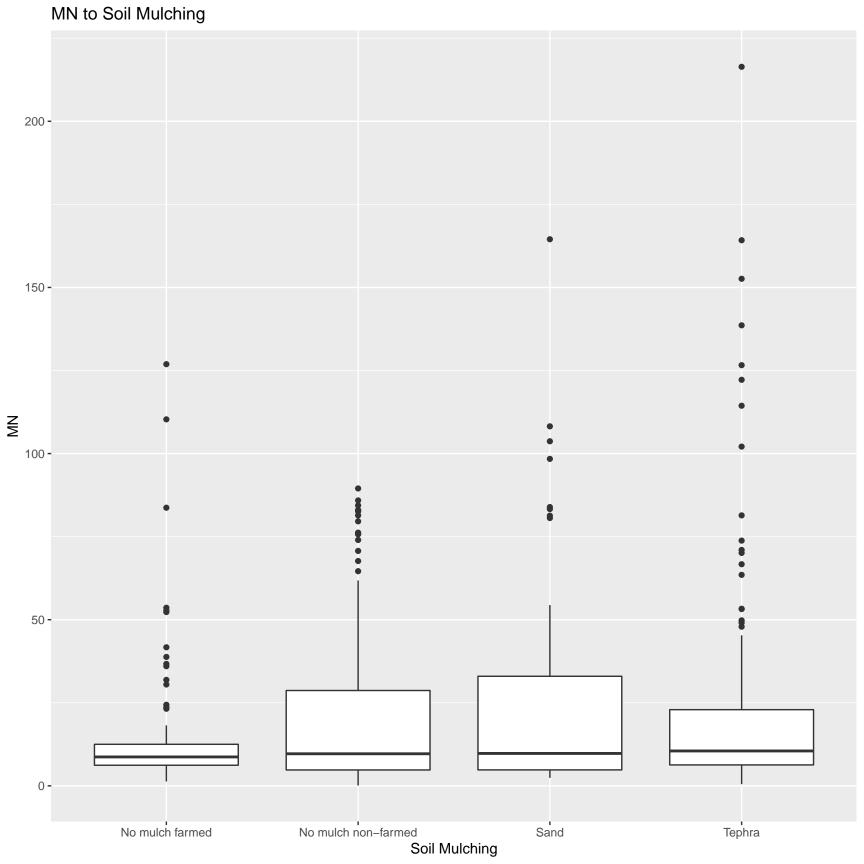


MN to Agricultural System 200 -150 **-**100 -50 -0 -Runoff capture Sand mulched Agricultural System Non-Farmed Tephra mulched Terraced

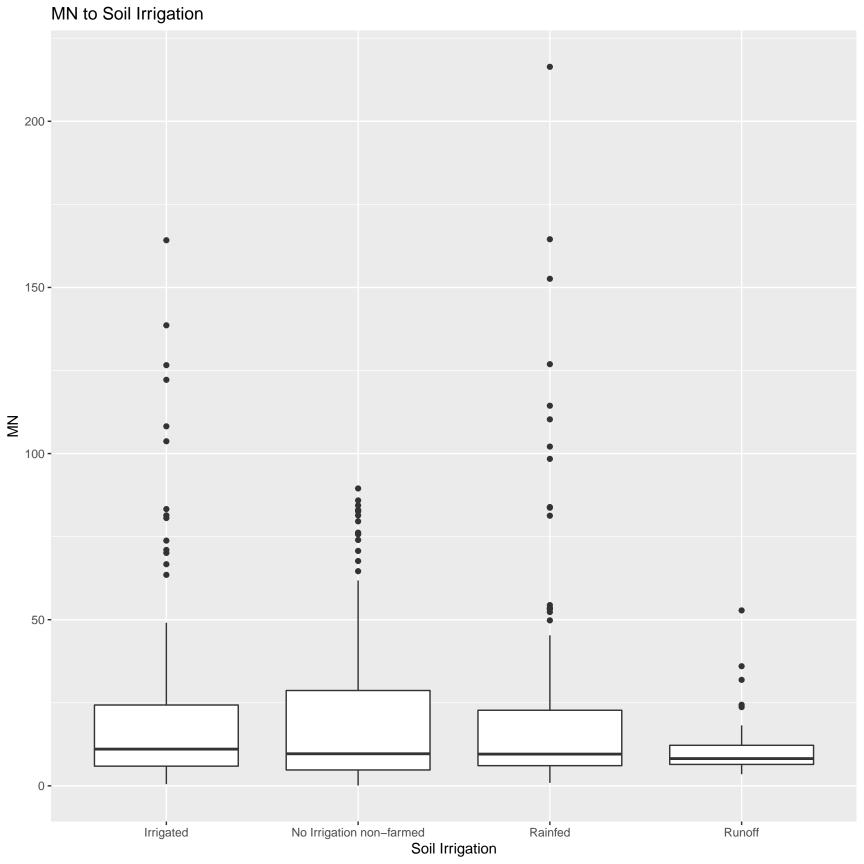
	.y.	group1	group2	n1	n2	statistic	р	p.adj	p.adj.signif
1	MN	Non-Farmed	Runoff capture	176	83	8027.5	0.199	1.000	ns
2	MN	Non-Farmed	Sand mulched	176	60	4861.5	0.360	1.000	ns
3	MN	Non-Farmed	Tephra mulched	176	160	13411.0	0.452	1.000	ns
4	MN	Non-Farmed	Terraced	176	50	4433.5	0.936	1.000	ns
5	MN	Runoff capture	Sand mulched	83	60	2121.0	0.132	1.000	ns
6	MN	Runoff capture	Tephra mulched	83	160	5503.5	0.029	0.288	ns
7	MN	Runoff capture	Terraced	83	50	1885.5	0.380	1.000	ns
8	MN	Sand mulched	Tephra mulched	60	160	4892.0	0.828	1.000	ns
9	MN	Sand mulched	Terraced	60	50	1602.0	0.542	1.000	ns
10	MN	Tephra mulched	Terraced	160	50	4312.0	0.406	1.000	ns



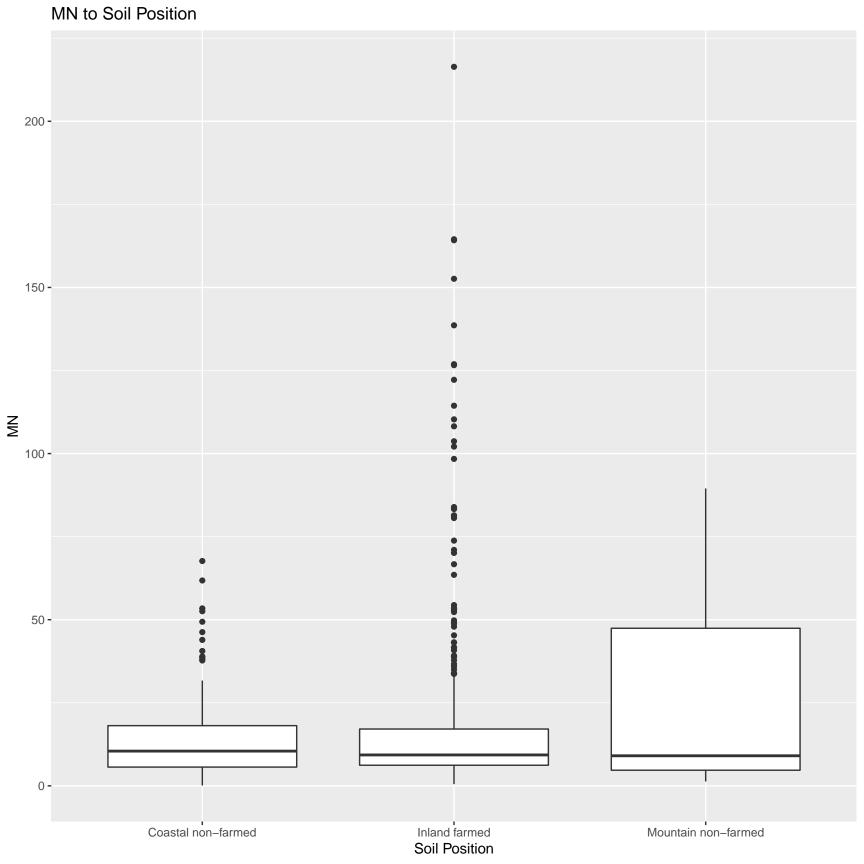
	.y.	group1	group2	n1	n2	statistic	р
1	MN	Farmed	Non-Farmed	353	176	31394.5	0.842



.y.	group1	group2	n1	n2	statistic	р	p.adj	p.adj.signif
1 MN	No mulch farmed	No mulch non-farmed	133	176	10947.0	0.331	1.000	ns
2 MN	No mulch farmed	Sand	133	60	3519.0	0.190	0.950	ns
3 MN	No mulch farmed	Tephra	133	160	9191.5	0.045	0.269	ns
4 MN	No mulch non-farmed	Sand	176	60	4861.5	0.360	1.000	ns
5 MN	No mulch non-farmed	Tephra	176	160	13411.0	0.452	1.000	ns
6 MN	Sand	Tephra	60	160	4892.0	0.828	1.000	ns



	.y.	group1	group2	n1	n2	statistic	р	p.adj	p.adj.signif
1	MN	Irrigated	No Irrigation non-farmed	110	176	10516.0	0.220	0.796	ns
2	MN	Irrigated	Rainfed	110	160	9502.0	0.266	0.796	ns
3	MN	Irrigated	Runoff	110	83	5513.0	0.014	0.082	ns
4	MN	No Irrigation non-farmed	Rainfed	176	160	13862.0	0.807	0.807	ns
5	MN	No Irrigation non-farmed	Runoff	176	83	8027.5	0.199	0.796	ns
6	MN	Rainfed	Runoff	160	83	7387.0	0.151	0.755	ns



	.y.	group1	group2	n1	n2	statistic	р	p.adj	p.adj.signif
1	MN	Coastal non-farmed	Inland farmed	90	353	15573.0	0.774	1.000	ns
2	MN	Coastal non-farmed	Mountain non-farmed	90	86	3467.0	0.234	0.702	ns
3	MN	Inland farmed	Mountain non-farmed	353	86	15197.5	0.986	1.000	ns