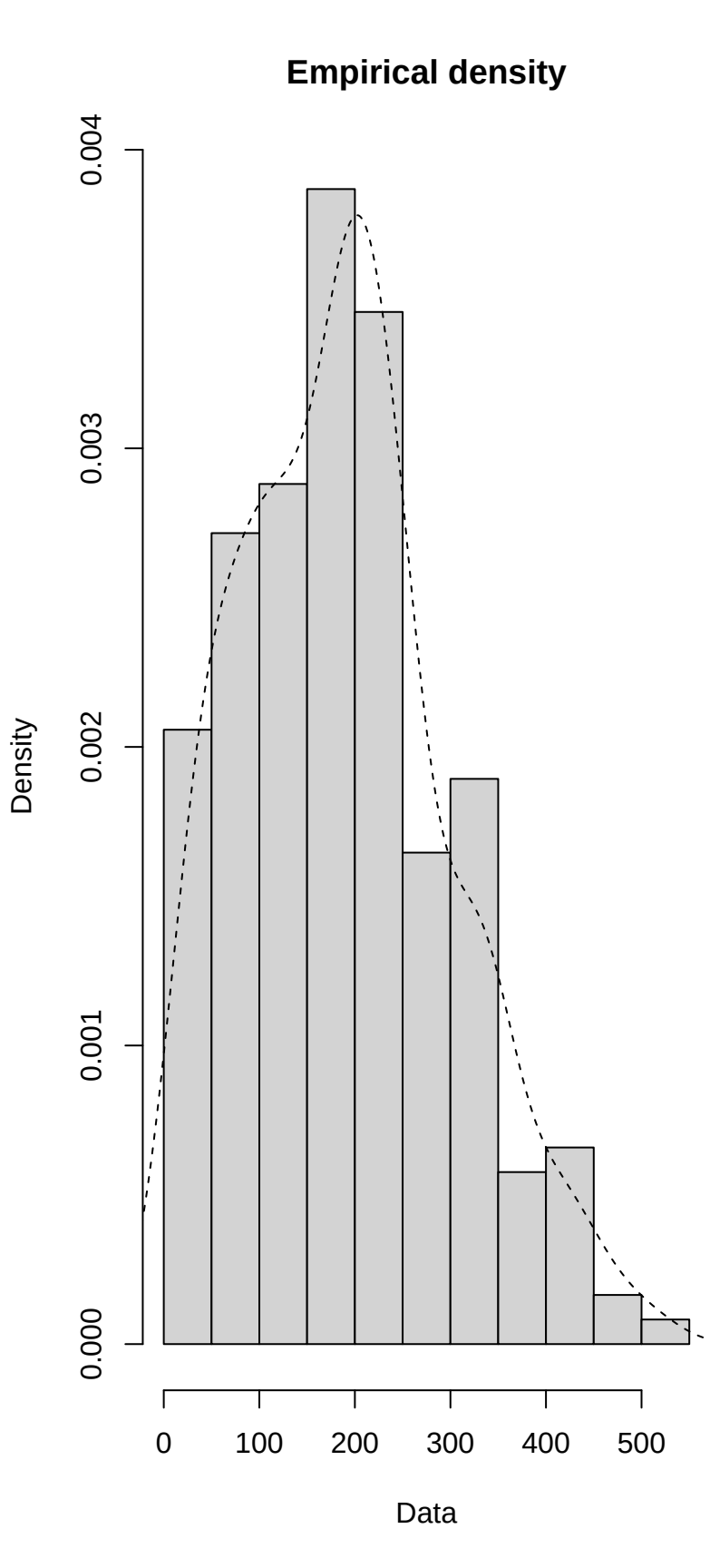
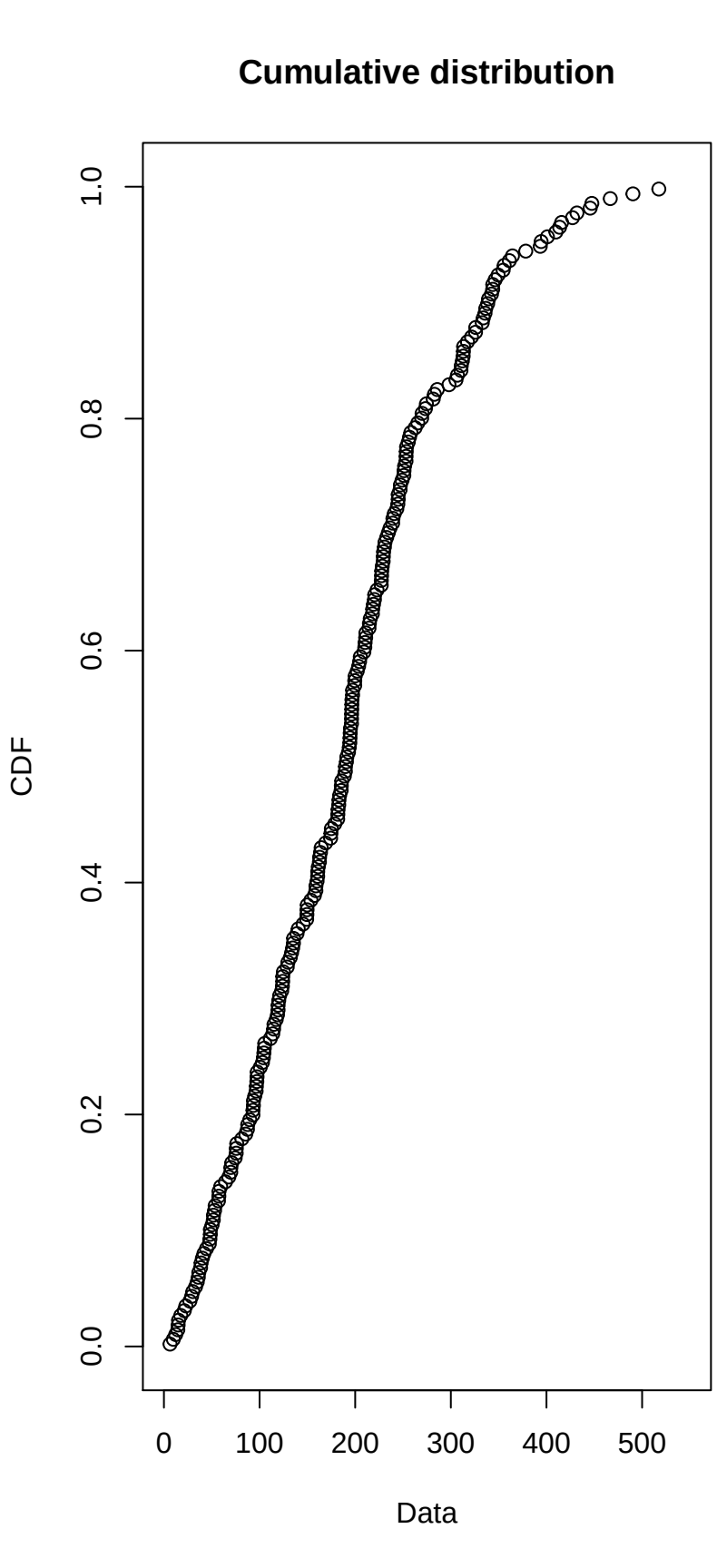
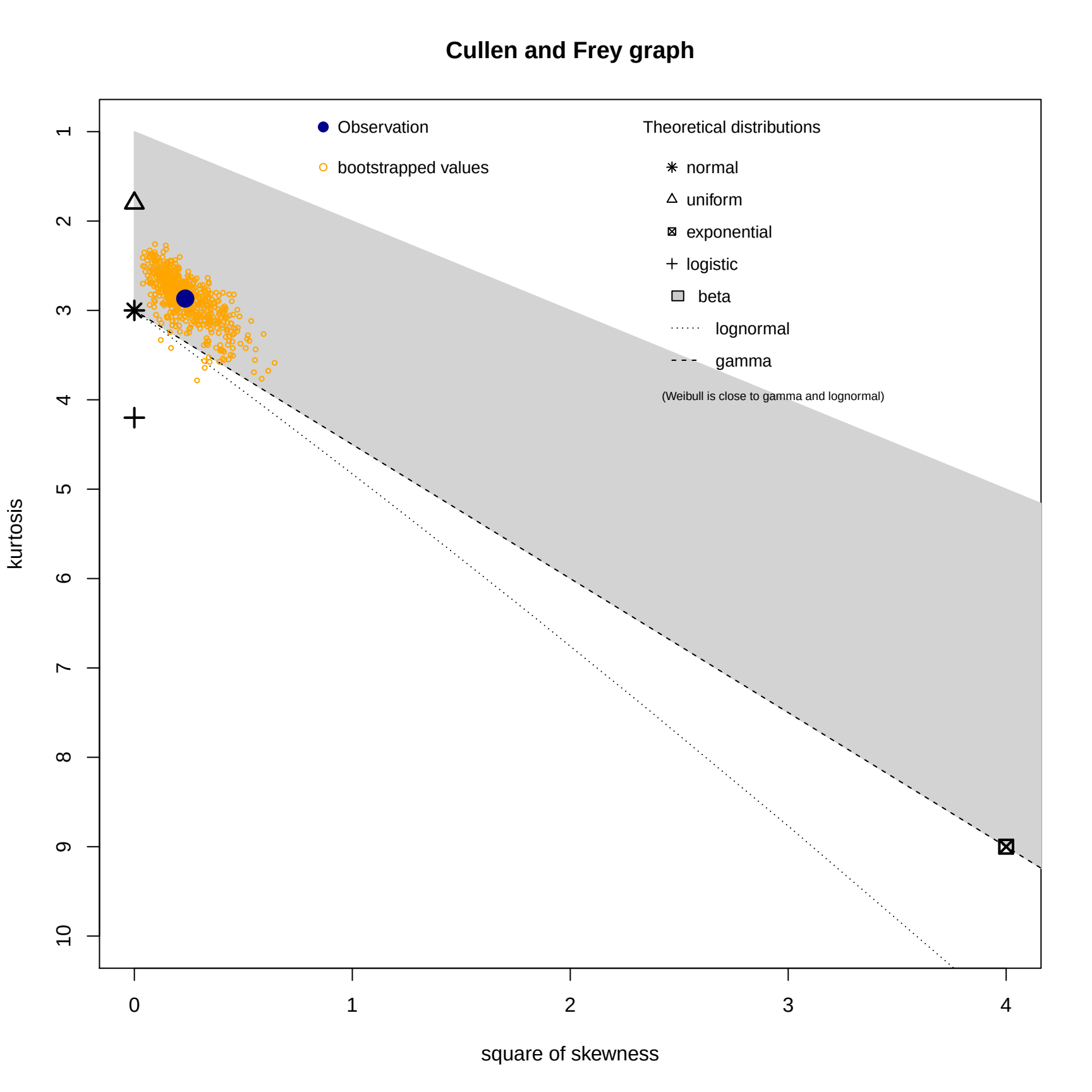
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
6.399	104.296	189.816	189.055	249.940	517.500	372

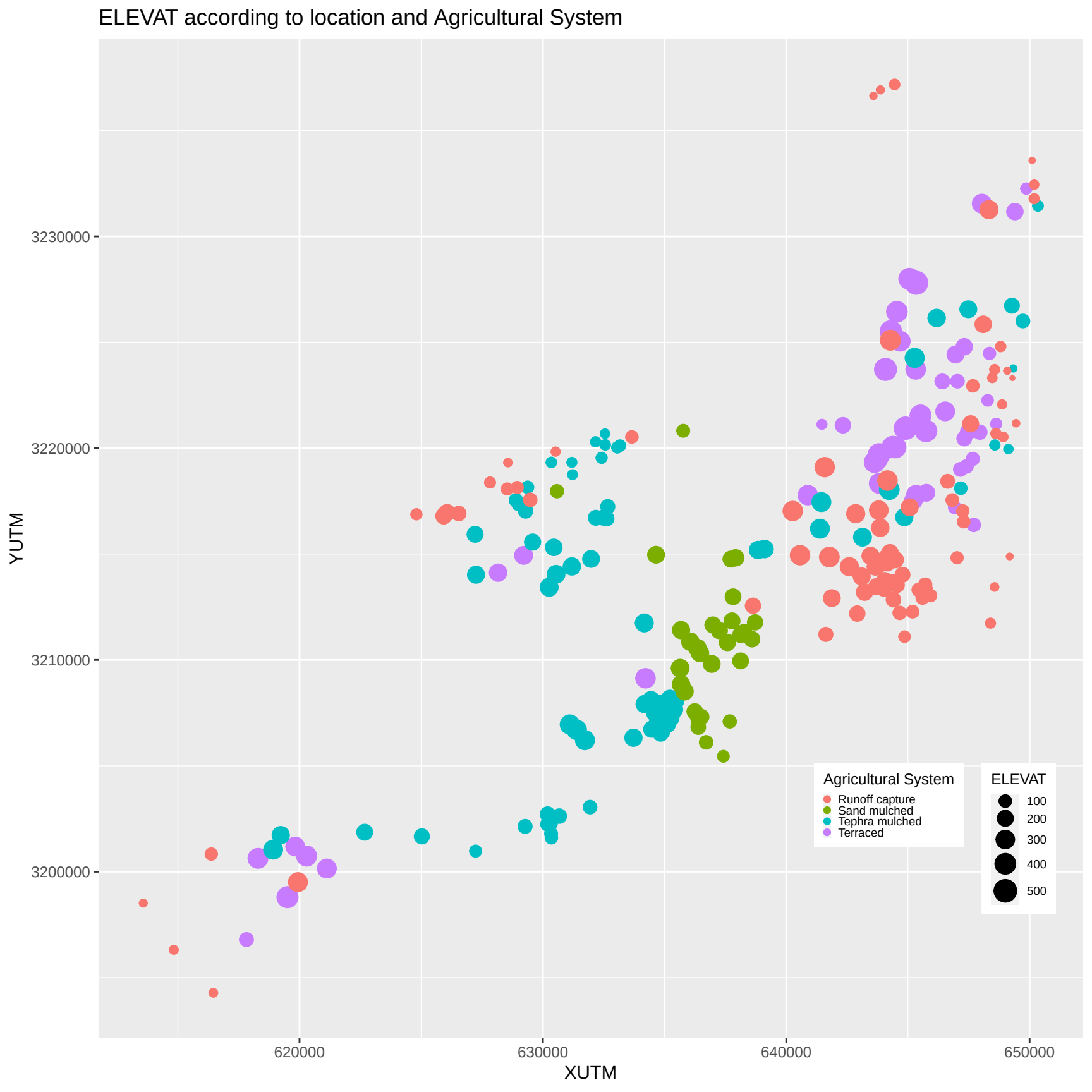

Empirical density
Density
0.000
0.001
0.002
0.003
0.004
0
100
200
300
400
500
Data

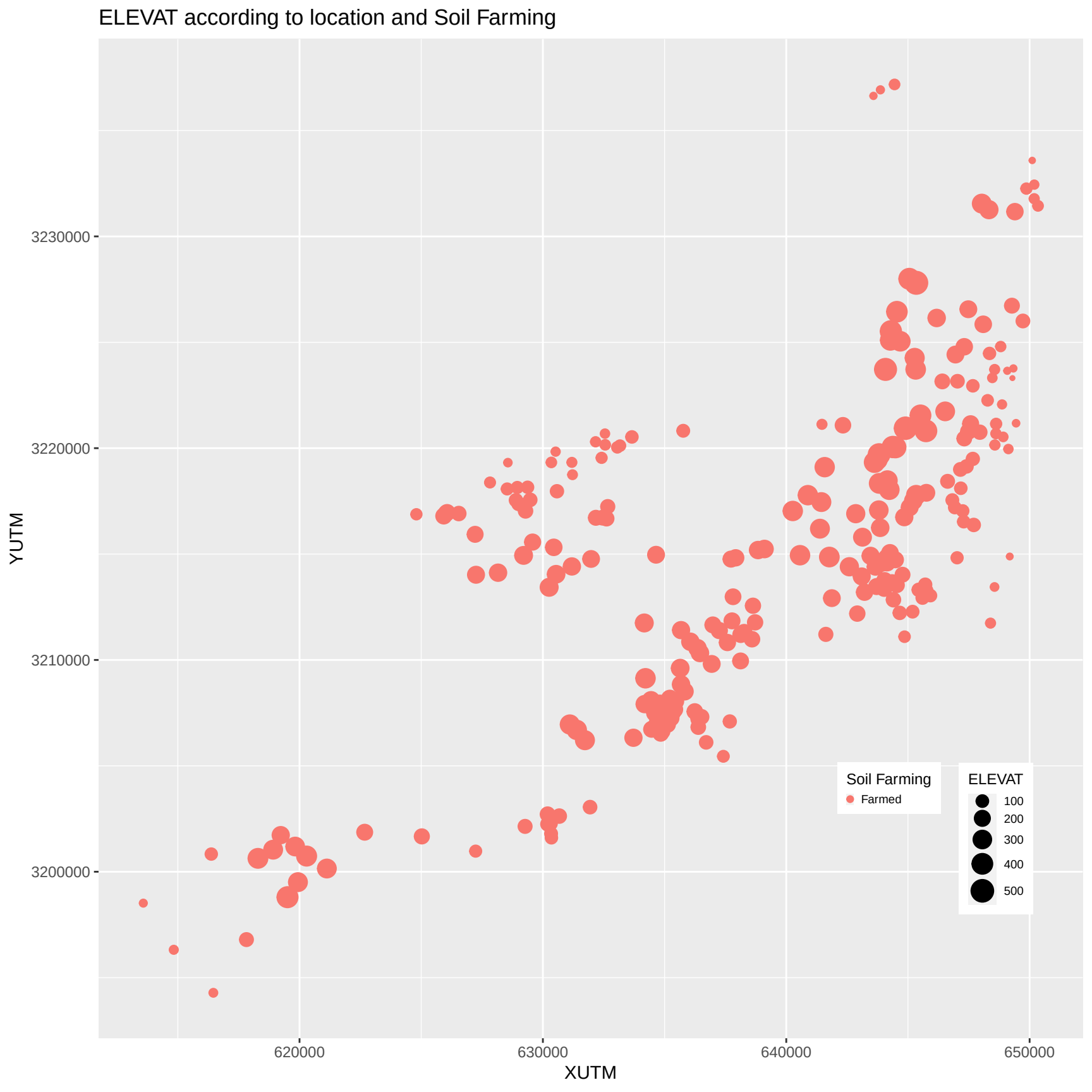

Cumulative distribution
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
Data

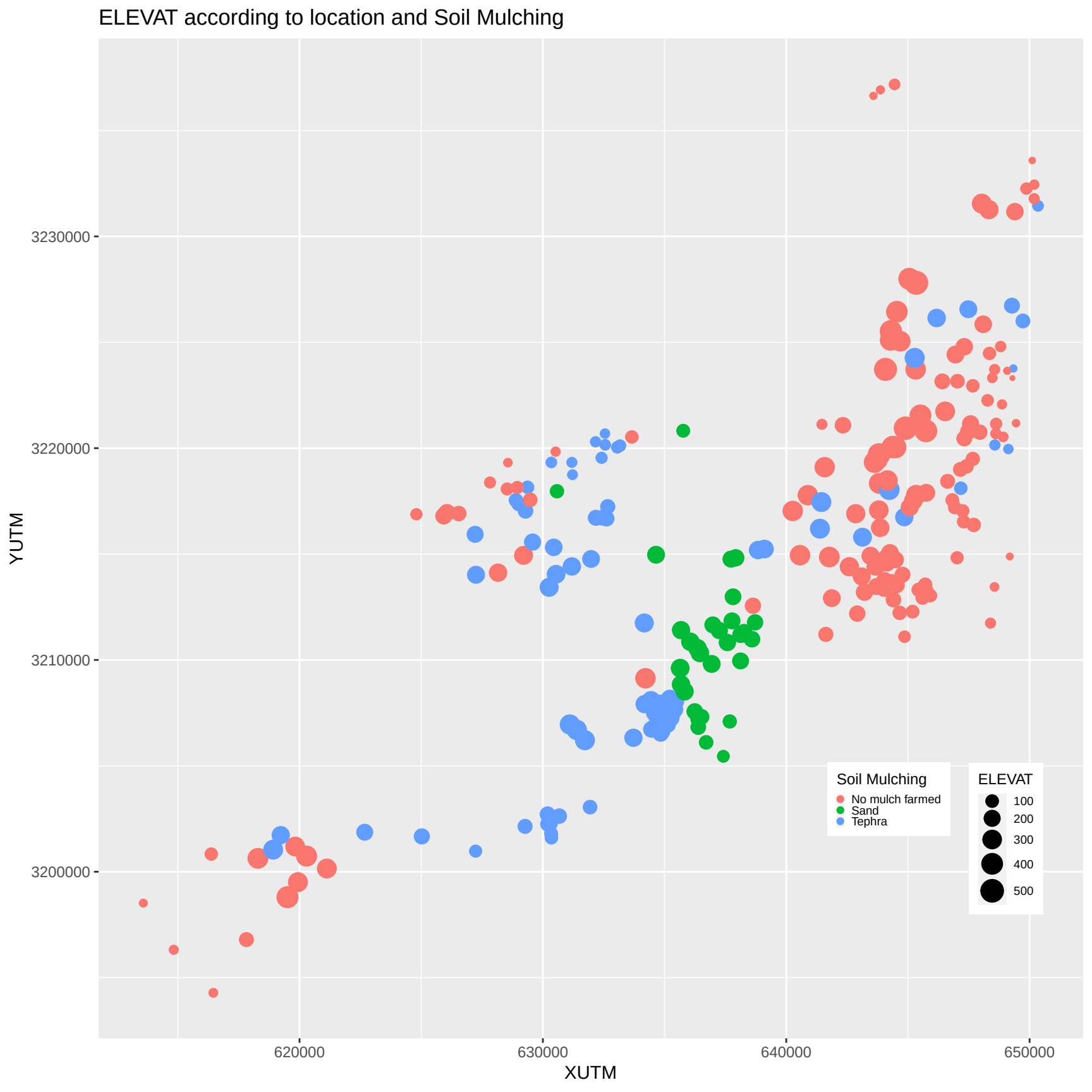

Cullen and Frey graph
Observation
bootstrapped values
Theoretical distributions
normal
uniform
exponential
logistic
beta
lognormal
gamma
(Weibull is close to gamma and lognormal)
kurtosis
square of skewness
1
2
3
4
5
6
7
8
9
10
0
1
2
3
4

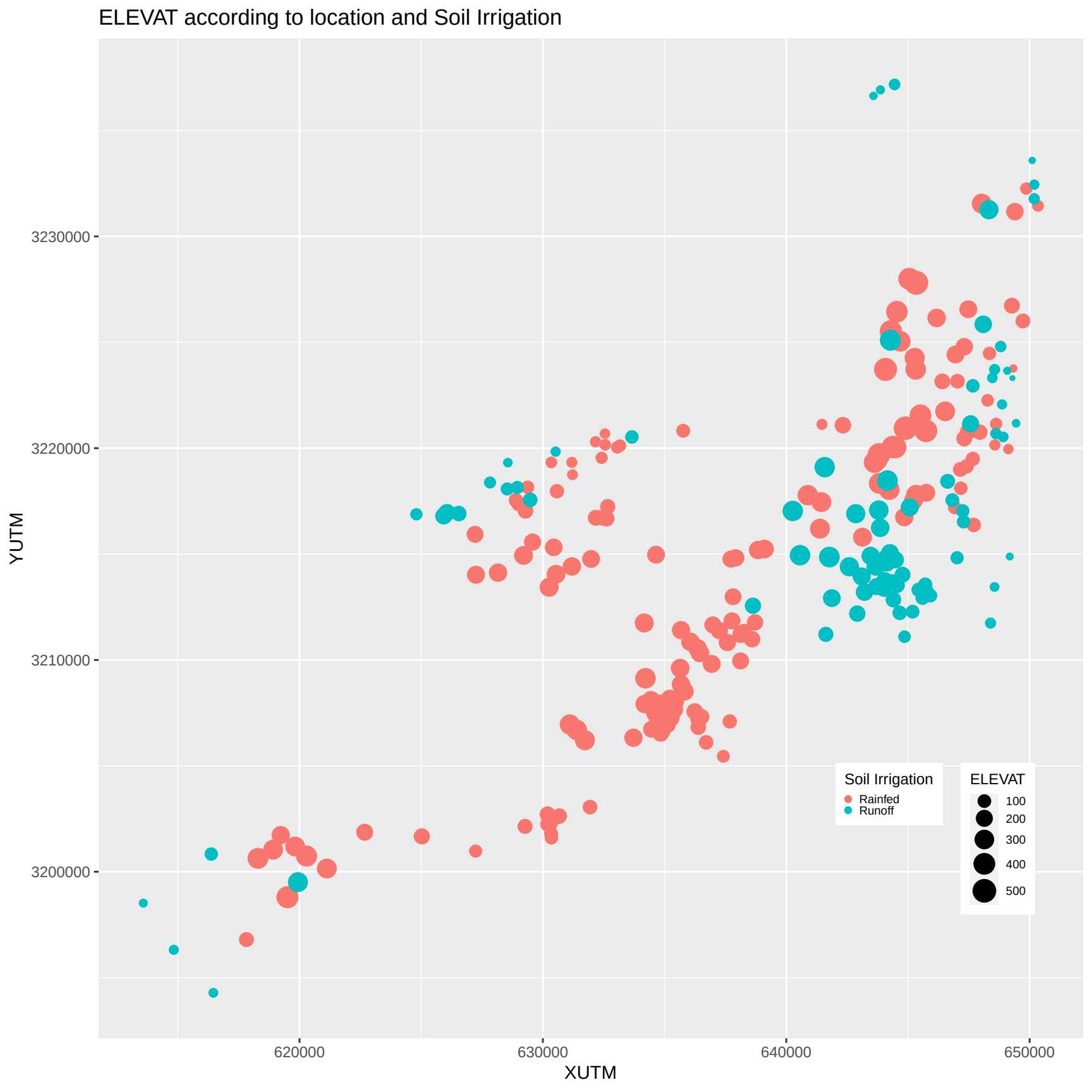
Shapiro−Wilk test for normality

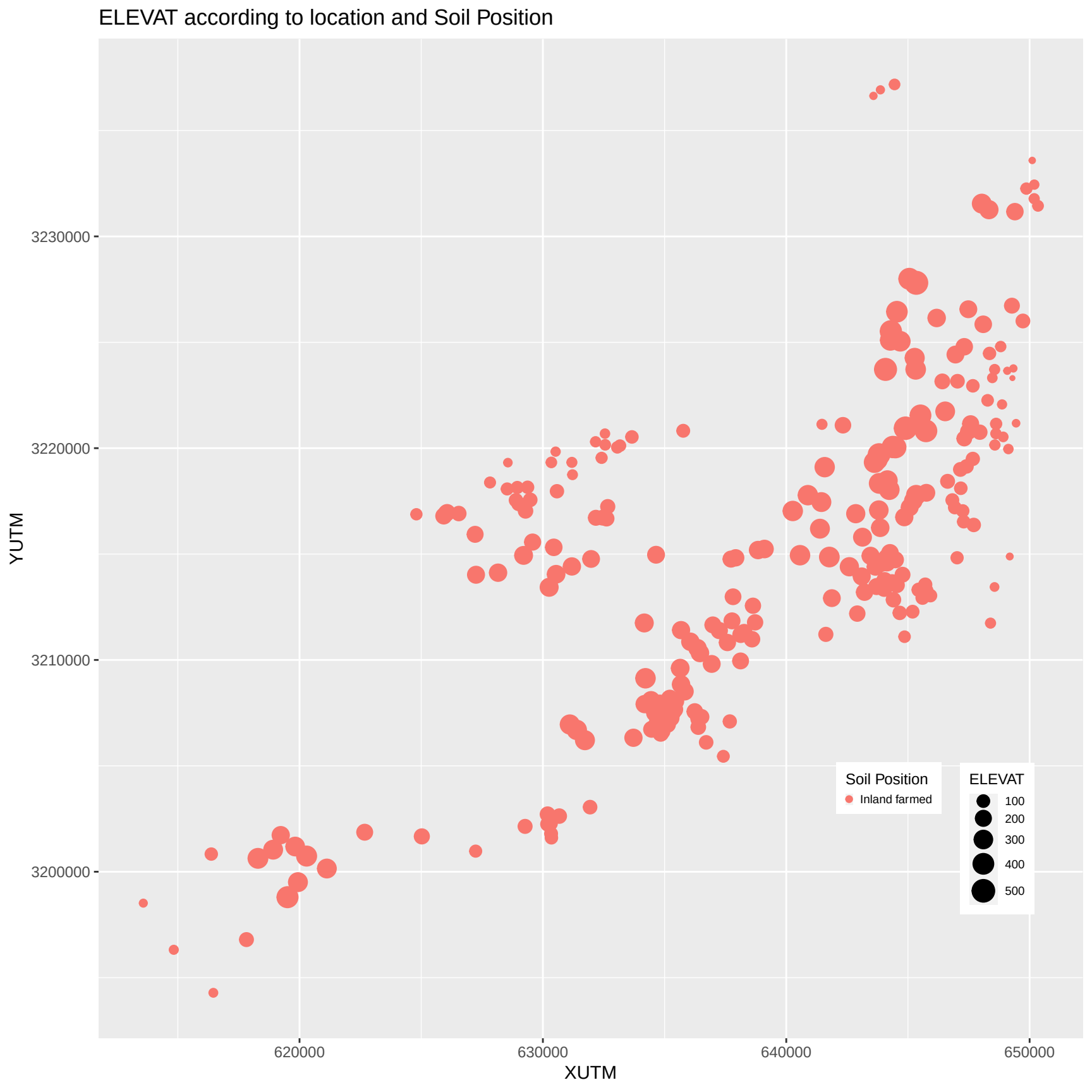
Shapiro−Wilk normality test
data: dataframe[, variable_chr]
W = 0.97315, p−value = 0.0001472

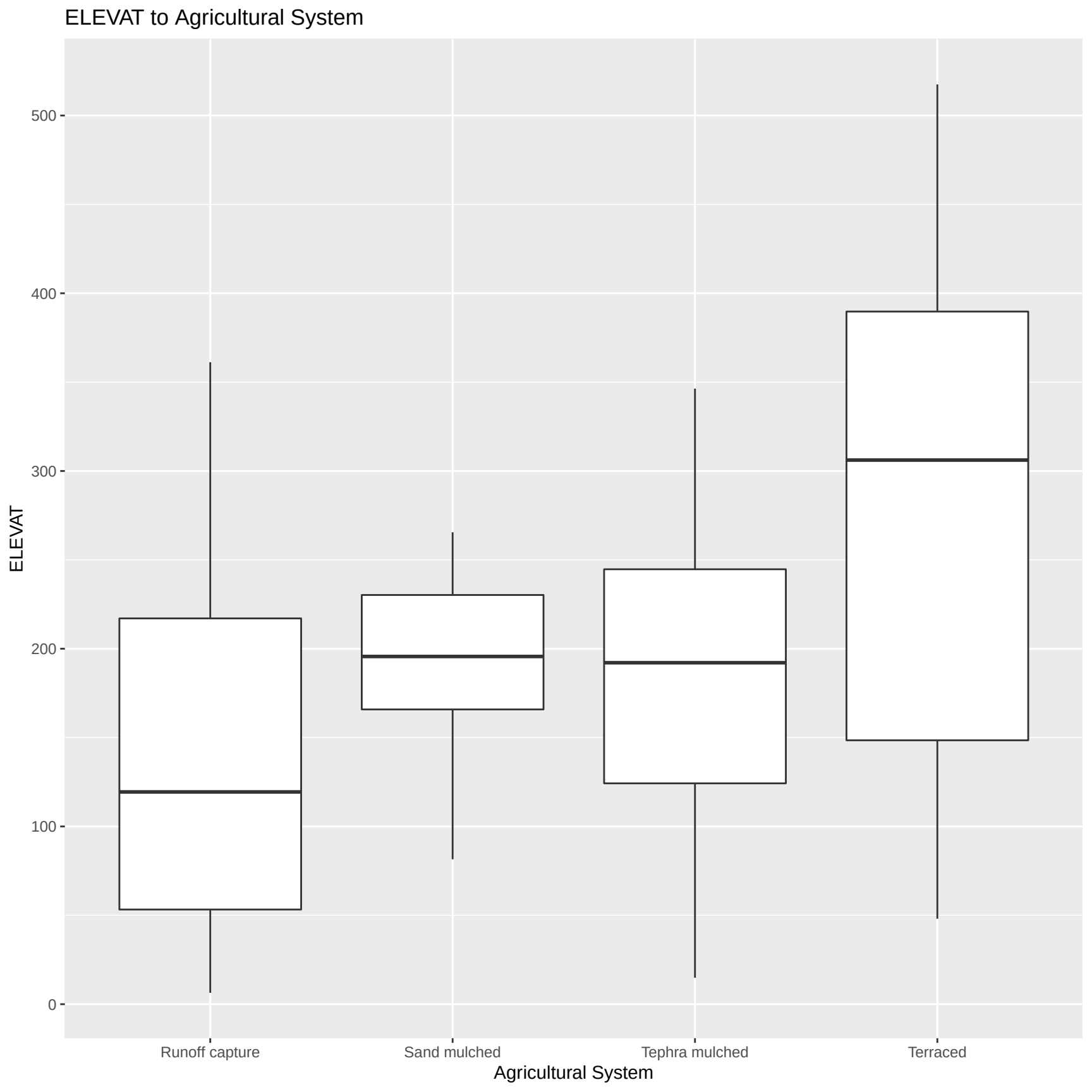

ELEVAT according to location and Agricultural System
YUTM
3230000
3220000
3210000
3200000
620000
630000
640000
650000
XUTM
Agricultural System
Runoff capture
Sand mulched
Tephra mulched
Terraced
ELEVAT
100
200
300
400
500


ELEVAT according to location and Soil Farming
YUTM
3230000
3220000
3210000
3200000
XUTM
620000
630000
640000
650000
Soil Farming
Farmed
ELEVAT
100
200
300
400
500


ELEVAT according to location and Soil Mulching
YUTM
3230000
3220000
3210000
3200000
620000
630000
640000
650000
XUTM
Soil Mulching
No mulch farmed
Sand
Tephra
ELEVAT
100
200
300
400
500

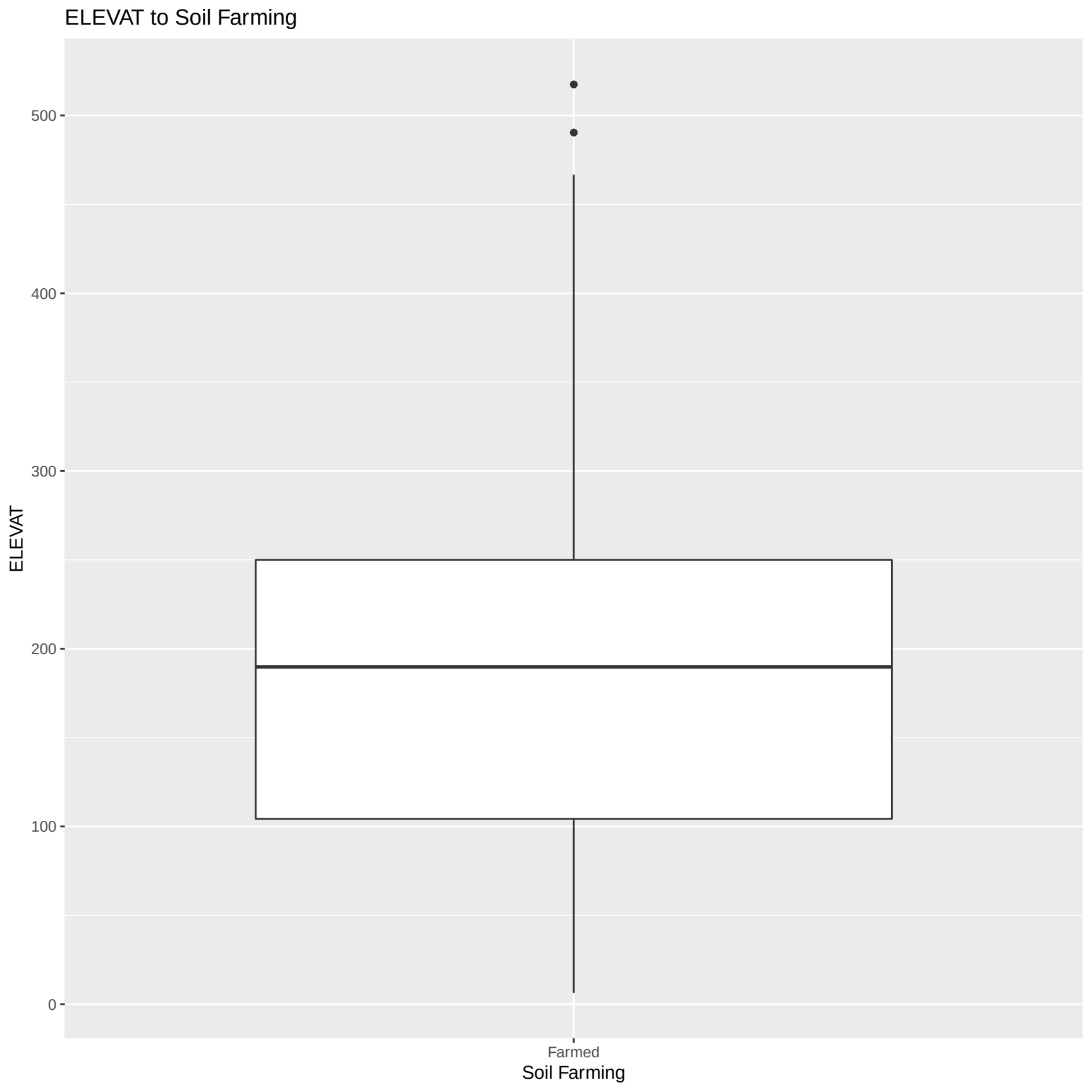

ELEVAT according to location and Soil Irrigation
YUTM
3230000
3220000
3210000
3200000
620000
630000
640000
650000
XUTM
Soil Irrigation
Rainfed
Runoff
ELEVAT
100
200
300
400
500

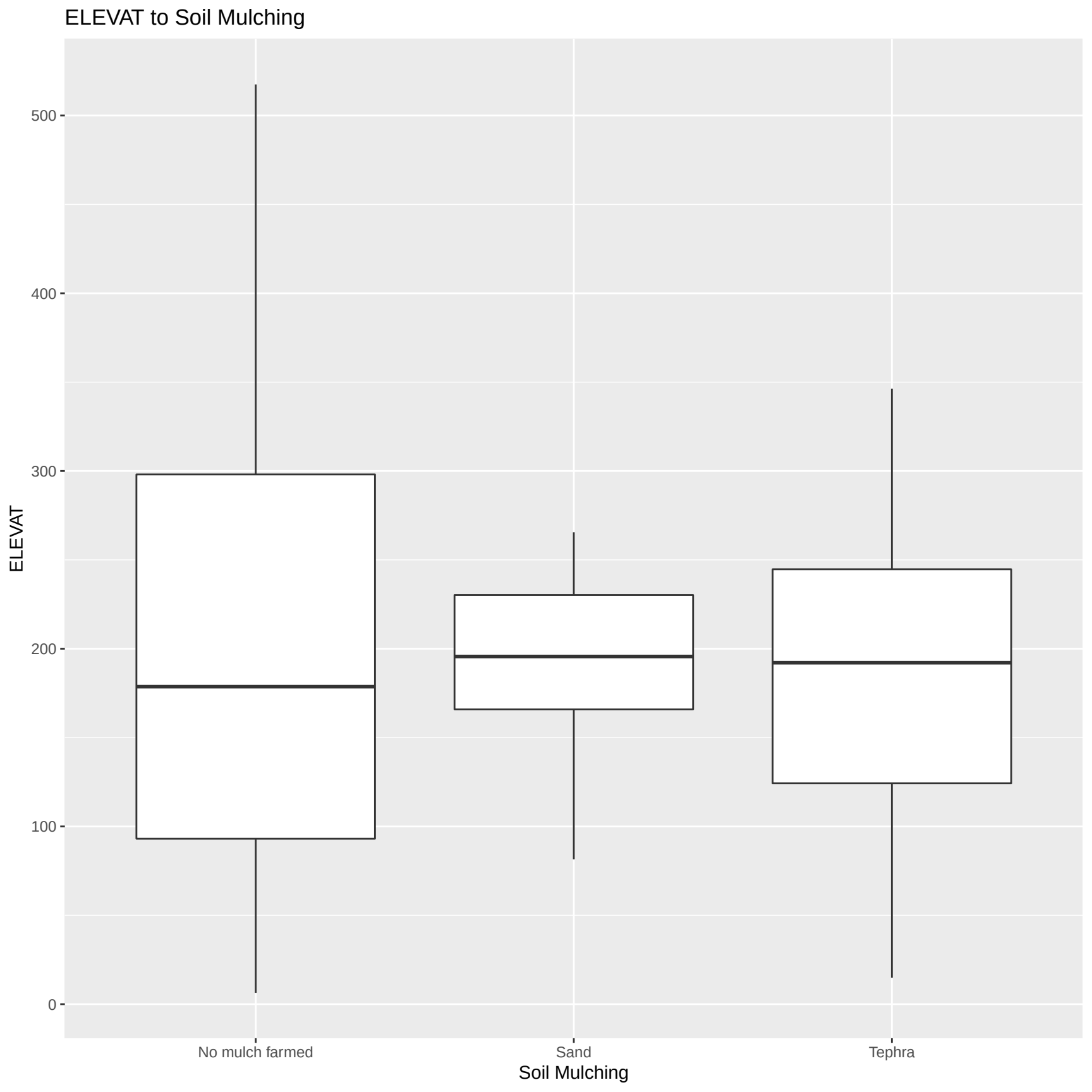

ELEVAT according to location and Soil Position
YUTM
3230000
3220000
3210000
3200000
620000
630000
640000
650000
XUTM
Soil Position
Inland farmed
ELEVAT
100
200
300
400
500


ELEVAT to Agricultural System
500
400
300
200
100
0
ELEVAT
Runoff capture
Sand mulched
Tephra mulched
Terraced
Agricultural System

Wilcox test for mean comparison

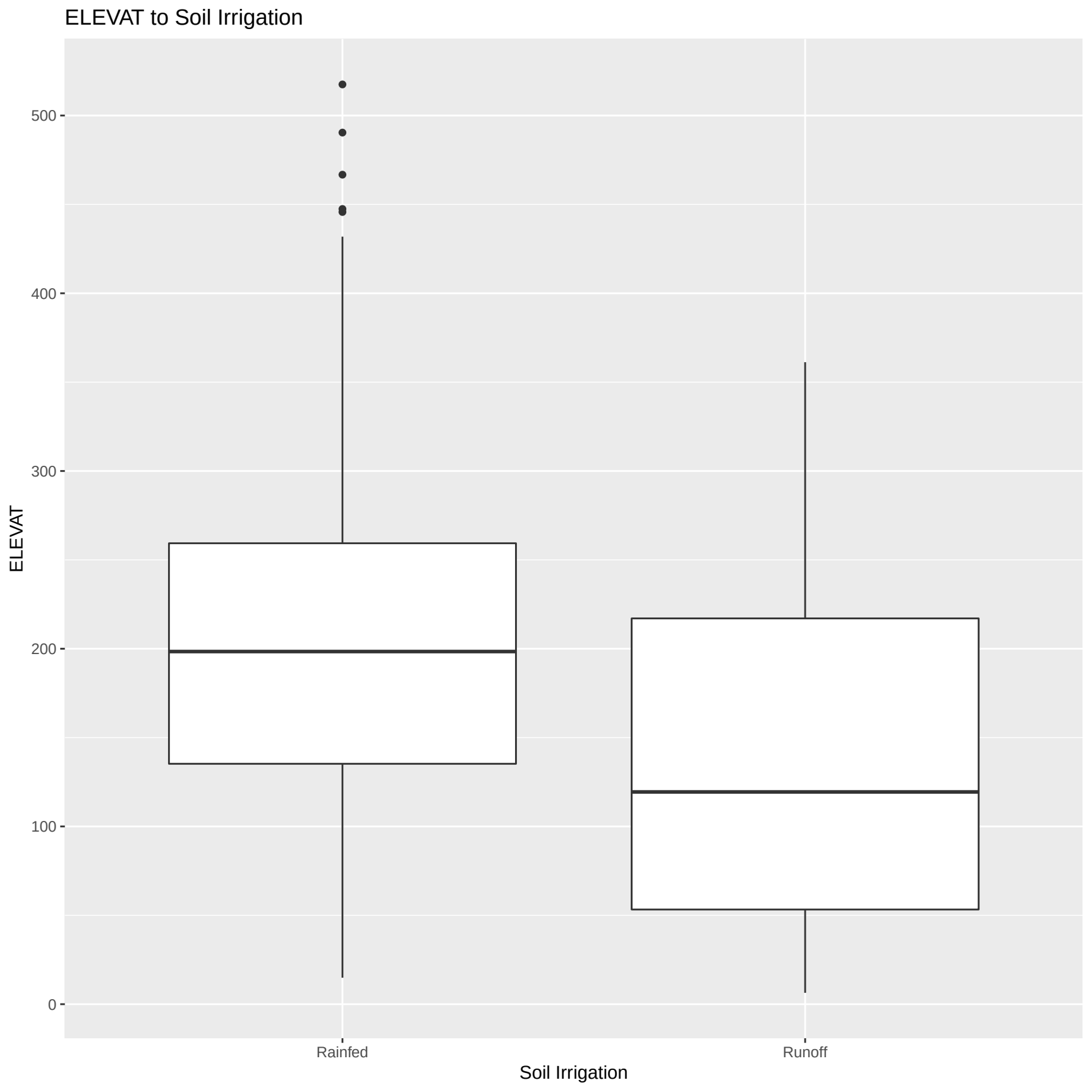
	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	ELEVAT	Runoff capture	Sand mulched	83	30	804	4.00e−03	1.70e−02	*
2	ELEVAT	Runoff capture	Tephra mulched	83	80	2484	6.00e−03	1.70e−02	*
3	ELEVAT	Runoff capture	Terraced	83	50	913	6.83e−08	4.10e−07	****
4	ELEVAT	Sand mulched	Tephra mulched	30	80	1291	5.44e−01	5.44e−01	ns
5	ELEVAT	Sand mulched	Terraced	30	50	485	9.00e−03	1.70e−02	*
6	ELEVAT	Tephra mulched	Terraced	80	50	1194	1.16e−04	5.80e−04	***


ELEVAT to Soil Farming
500
400
300
200
100
0
ELEVAT
Farmed
Soil Farming


ELEVAT to Soil Mulching
500
400
300
200
100
0
ELEVAT
No mulch farmed
Sand
Tephra
Soil Mulching

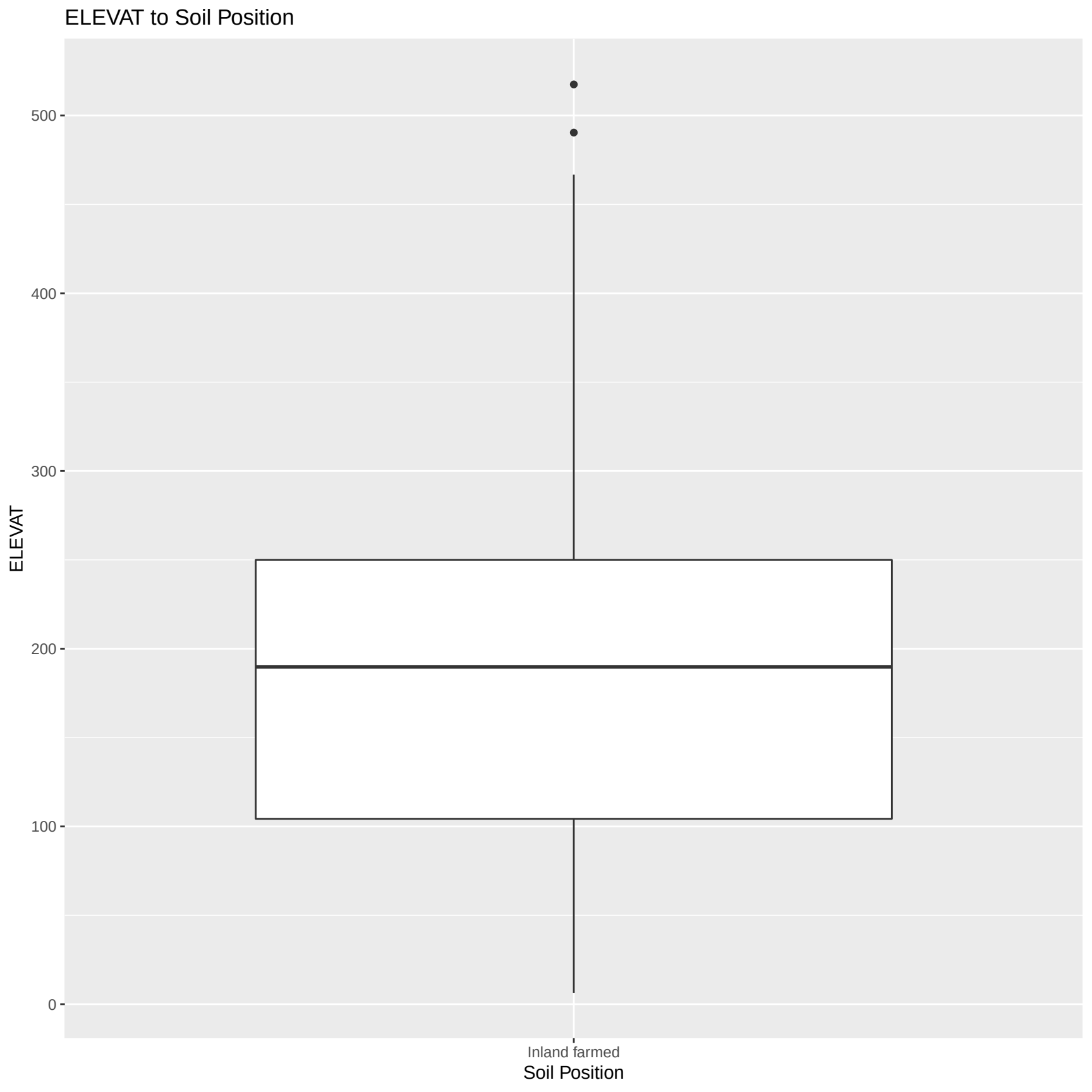
Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	ELEVAT	No mulch farmed	Sand	133	30	1819	0.452	1	ns
2	ELEVAT	No mulch farmed	Tephra	133	80	5290	0.946	1	ns
3	ELEVAT	Sand	Tephra	30	80	1291	0.544	1	ns


ELEVAT to Soil Irrigation
500
400
300
200
100
0
ELEVAT
Rainfed
Runoff
Soil Irrigation

Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	ELEVAT	Rainfed	Runoff	160	83	9079	2.7e−06


ELEVAT to Soil Position
500
400
300
200
100
0
ELEVAT
Inland farmed
Soil Position