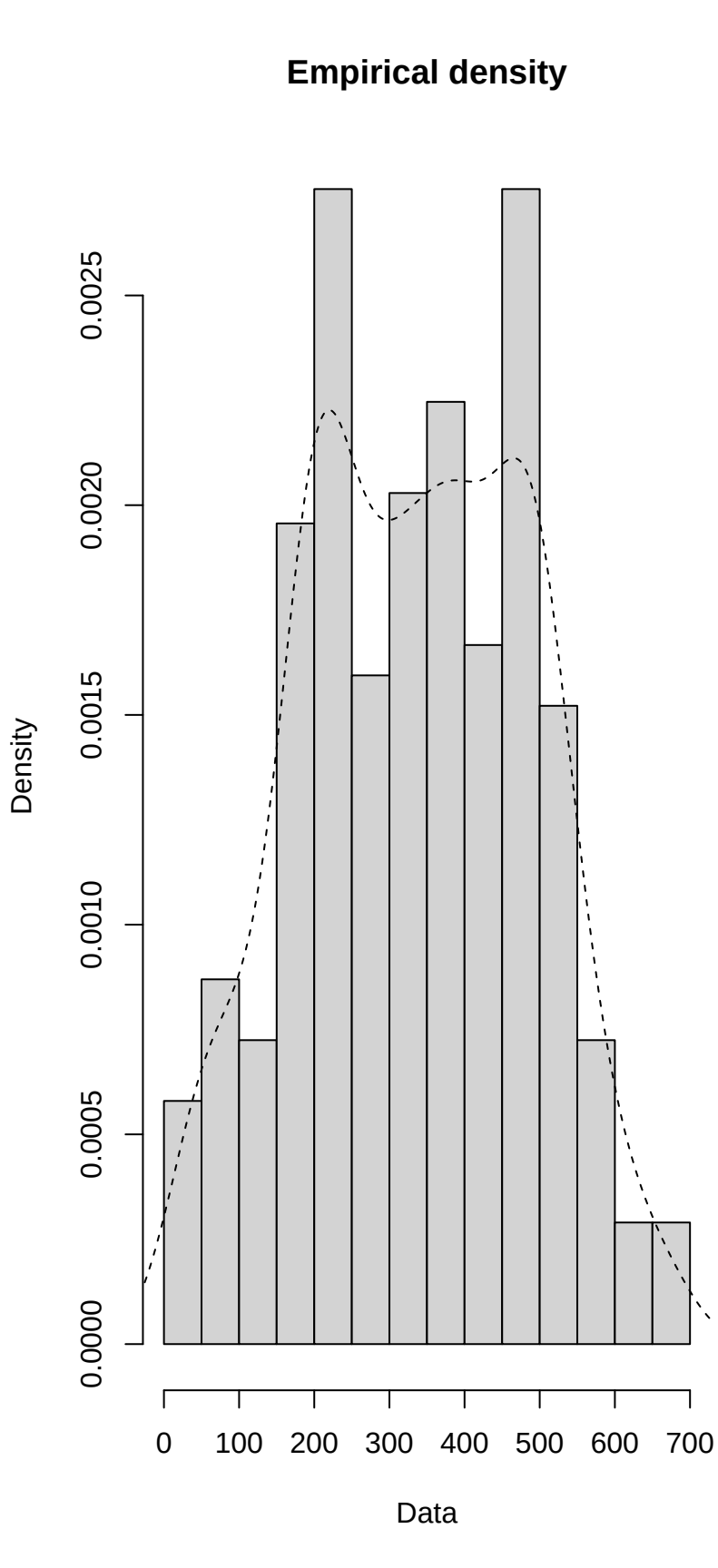
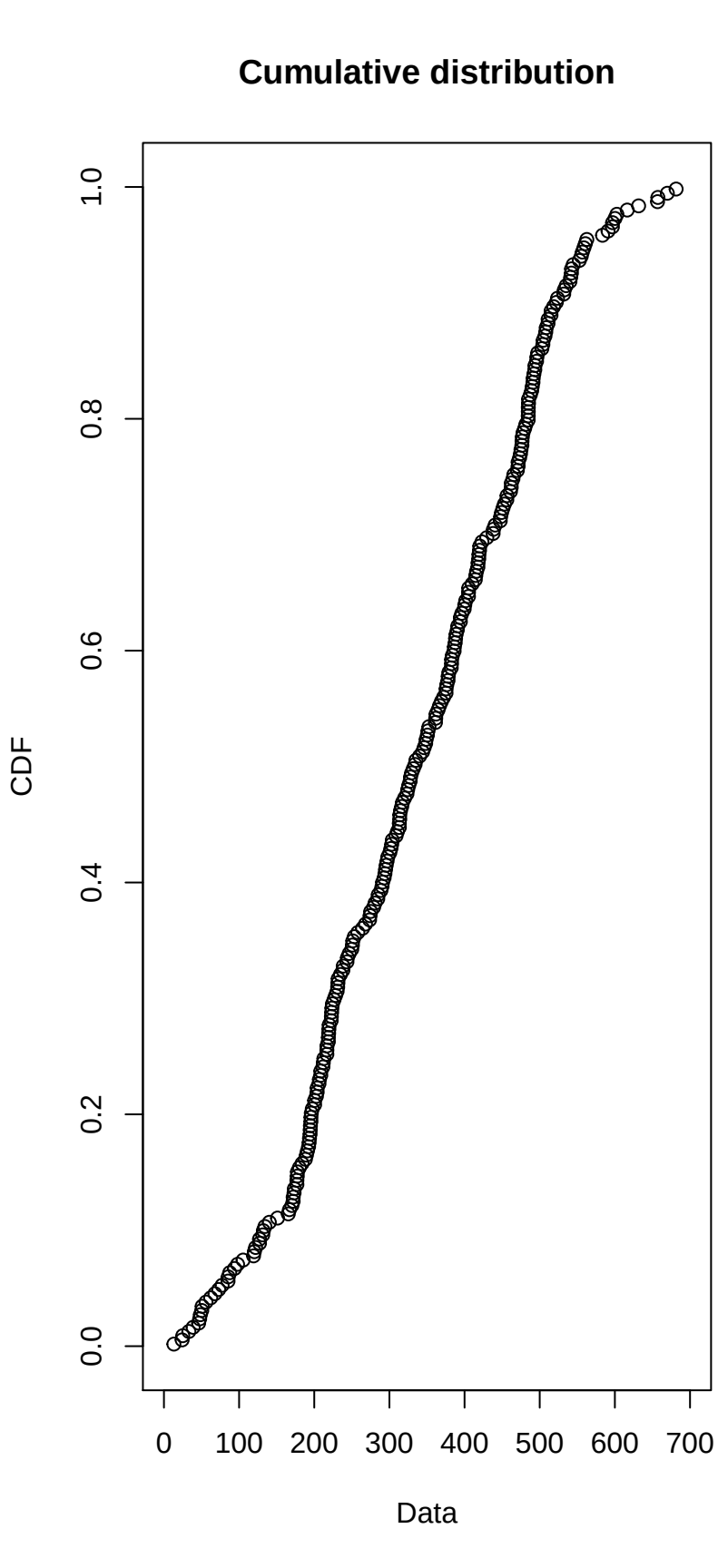
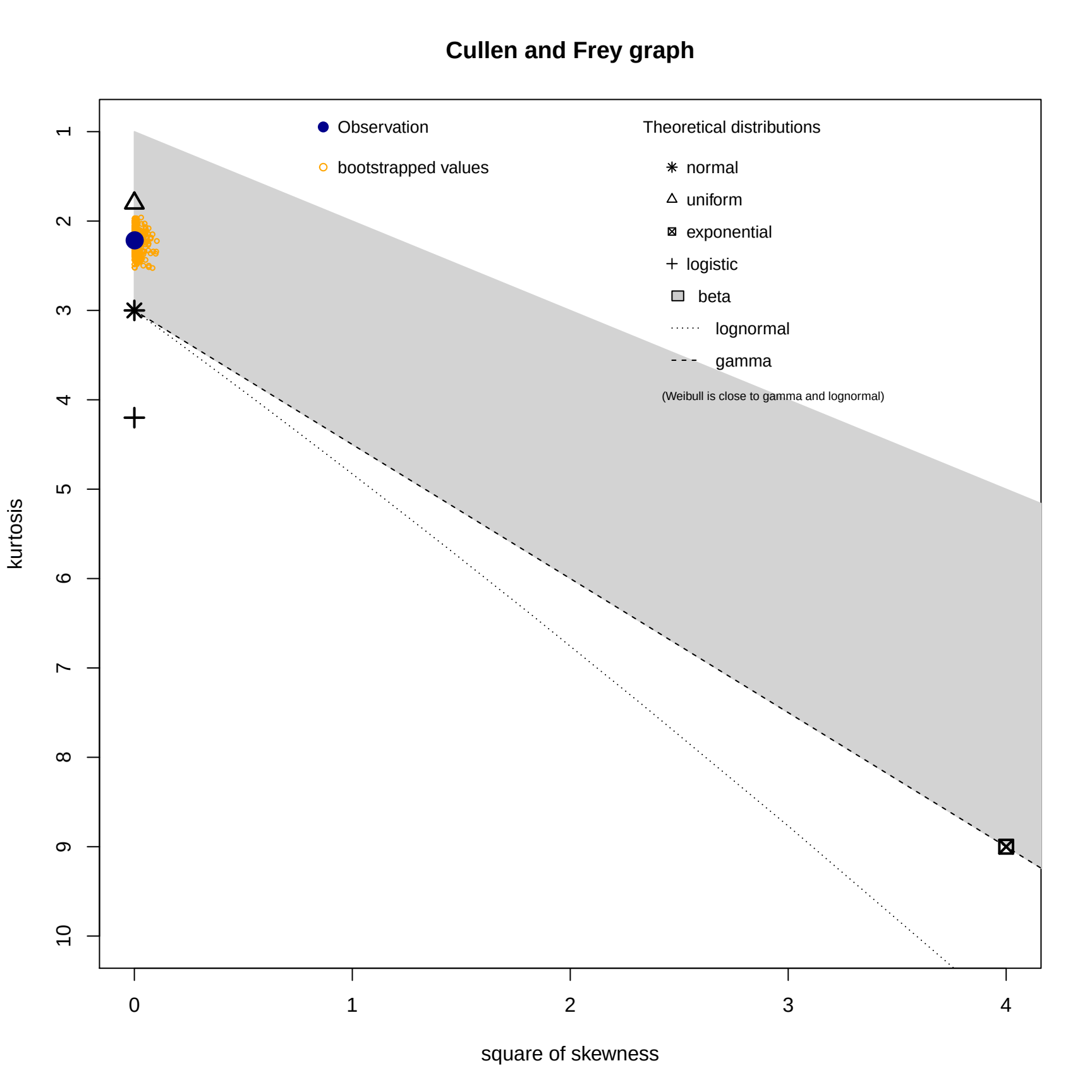
Summary of the variable

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
13.24	215.81	332.98	334.52	464.67	681.54	339


Empirical density
Density
0.0000
0.0005
0.0010
0.0015
0.0020
0.0025
0
100
200
300
400
500
600
700
Data

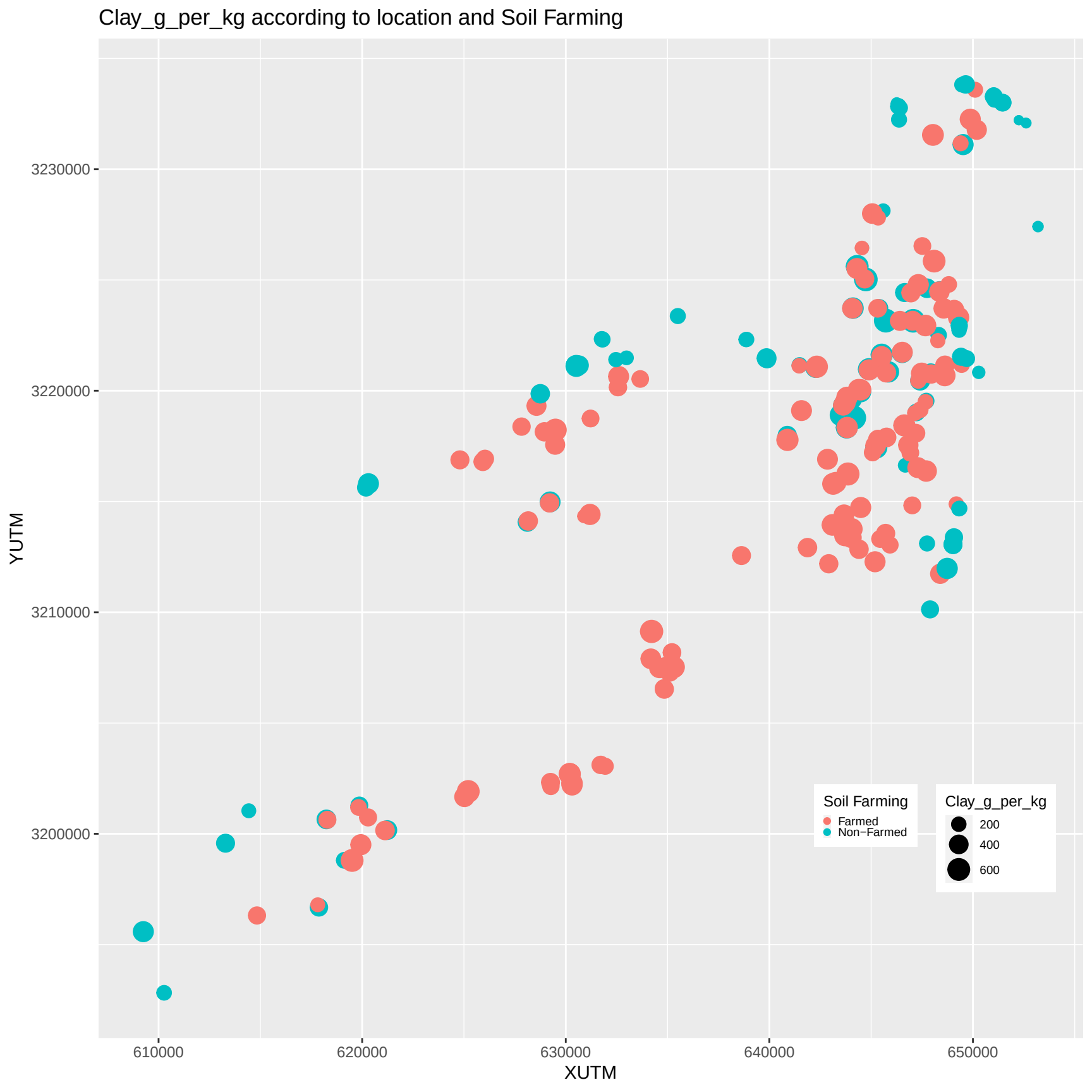

Cumulative distribution
CDF
0.0
0.2
0.4
0.6
0.8
1.0
0
100
200
300
400
500
600
700
Data

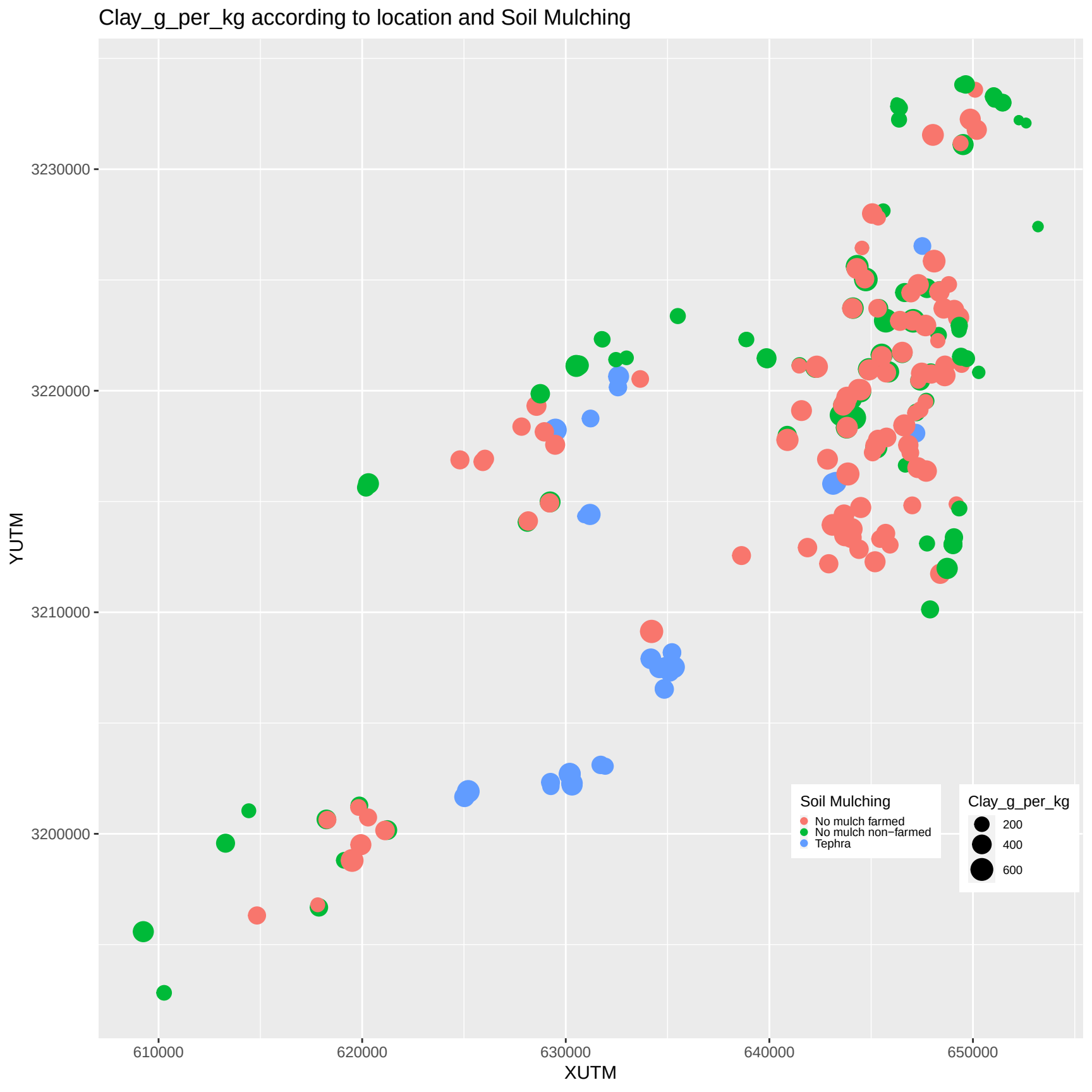

Cullen and Frey graph
Observation
bootstrapped values
Theoretical distributions
normal
uniform
exponential
logistic
beta
lognormal
gamma
(Weibull is close to gamma and lognormal)
kurtosis
square of skewness
0
1
2
3
4
1
2
3
4
5
6
7
8
9
10

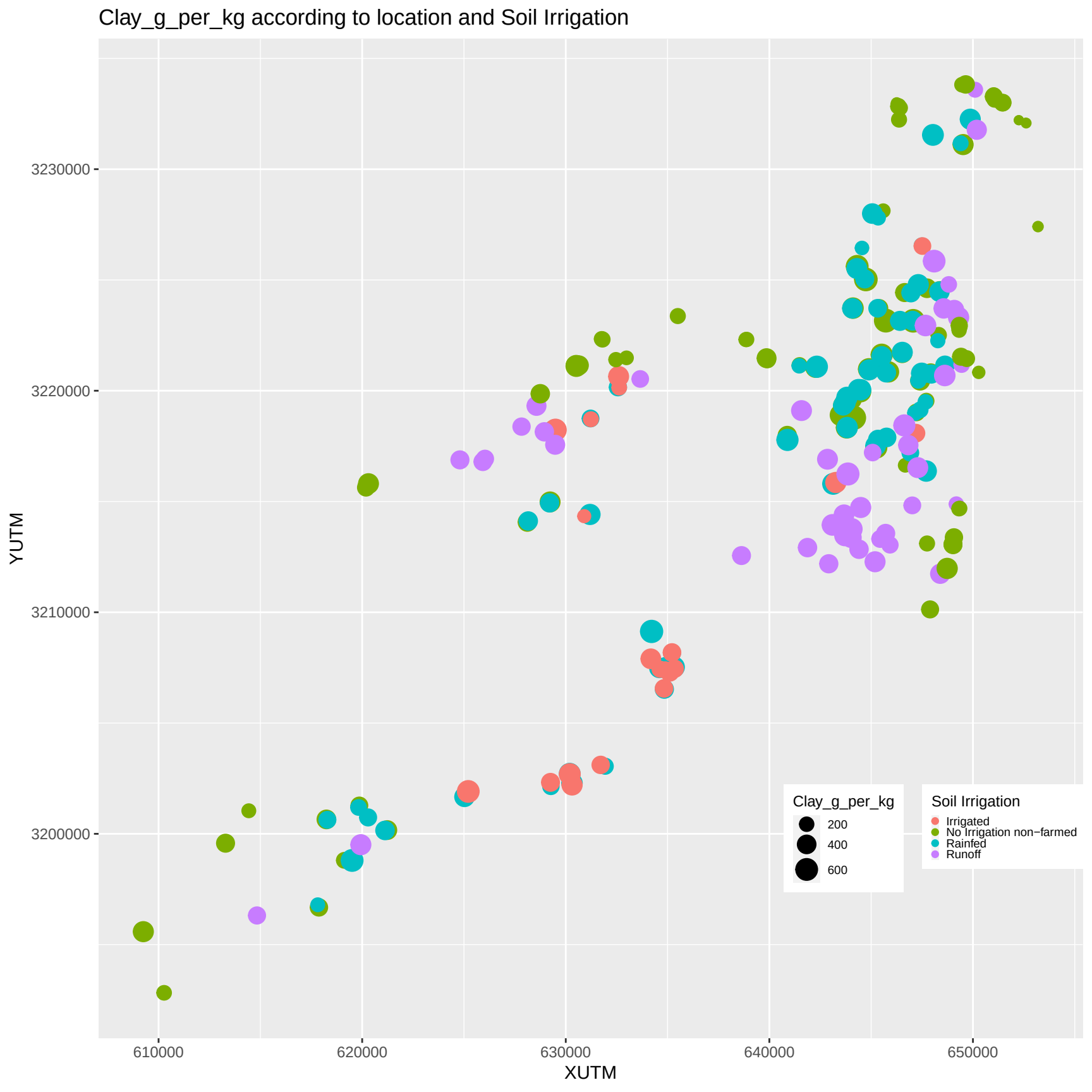
Shapiro−Wilk test for normality

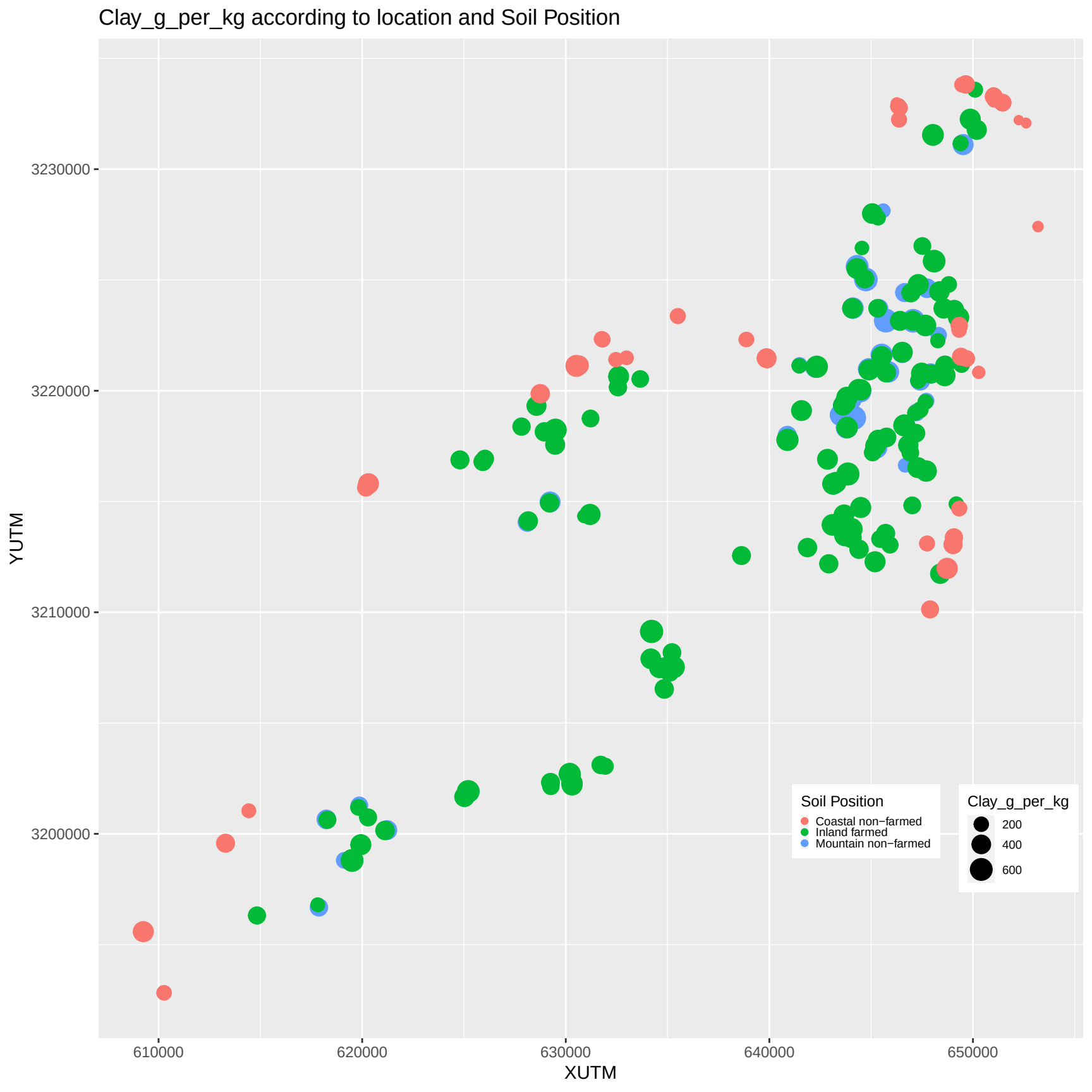
Shapiro−Wilk normality test
data: dataframe[, variable_chr]
W = 0.98208, p−value = 0.00154

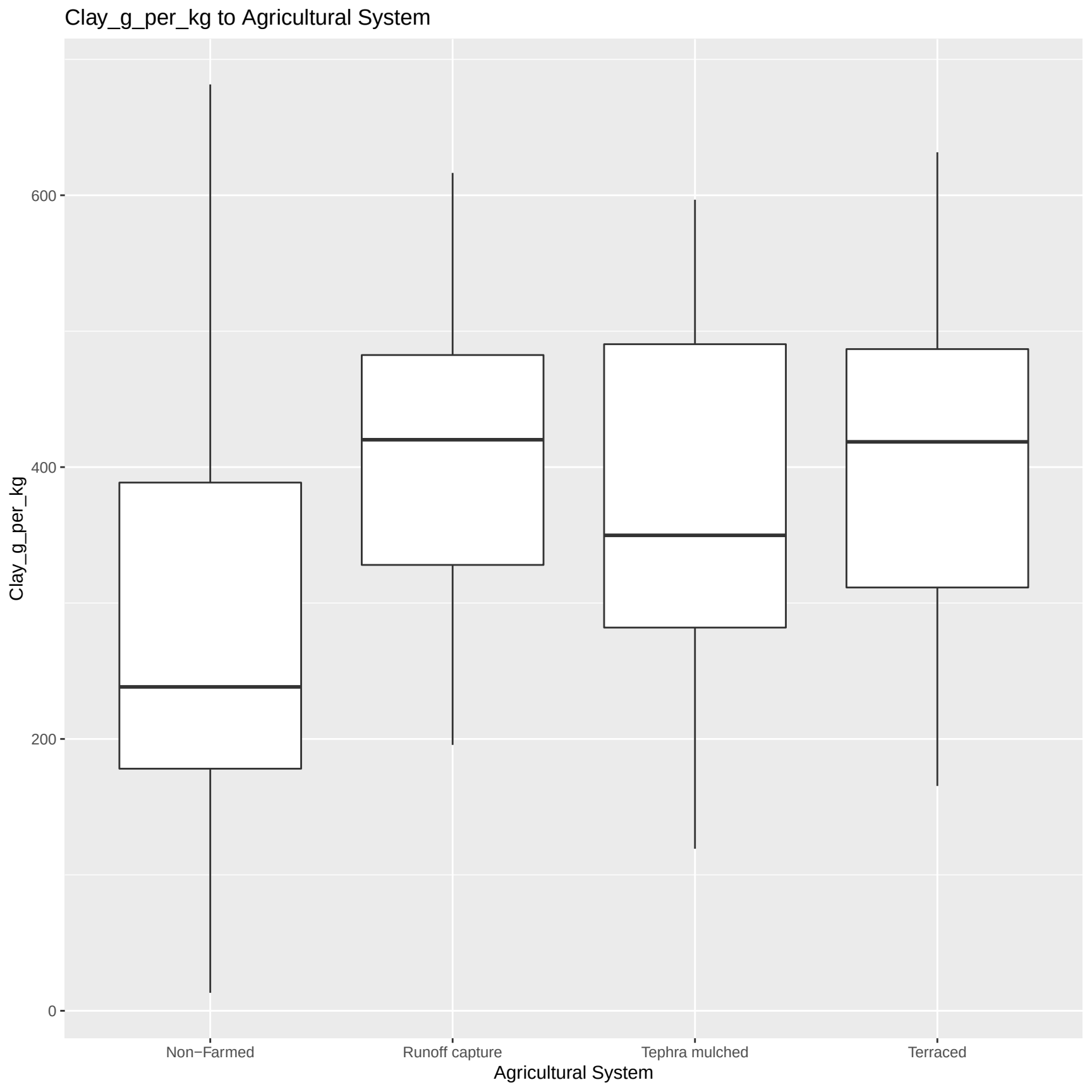

Clay_g_per_kg according to location and Agricultural System
YUTM
3230000
3220000
3210000
3200000
610000
620000
630000
640000
650000
XUTM
Agricultural System
Non−Farmed
Runoff capture
Tephra mulched
Terraced
Clay_g_per_kg
200
400
600


Clay_g_per_kg according to location and Soil Farming
YUTM
3230000
3220000
3210000
3200000
610000
620000
630000
640000
650000
XUTM
Soil Farming
Farmed
Non−Farmed
Clay_g_per_kg
200
400
600


Clay_g_per_kg according to location and Soil Mulching
YUTM
3230000
3220000
3210000
3200000
610000
620000
630000
640000
650000
XUTM
Soil Mulching
No mulch farmed
No mulch non−farmed
Tephra
Clay_g_per_kg
200
400
600

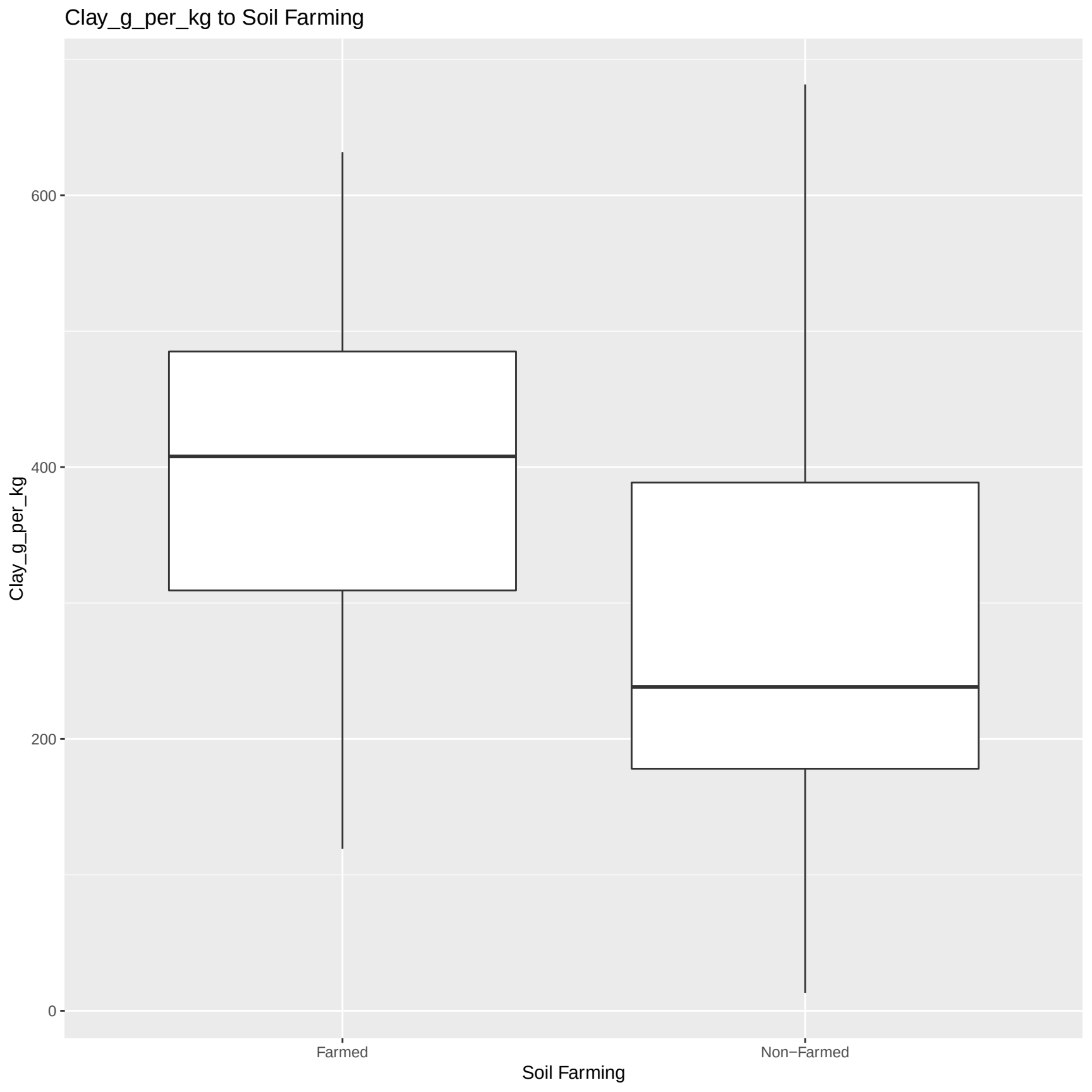

Clay_g_per_kg according to location and Soil Irrigation
YUTM
3230000
3220000
3210000
3200000
610000
620000
630000
640000
650000
XUTM
Clay_g_per_kg
200
400
600
Soil Irrigation
Irrigated
No Irrigation non−farmed
Rainfed
Runoff


Clay_g_per_kg according to location and Soil Position
YUTM
3230000
3220000
3210000
3200000
610000
620000
630000
640000
650000
XUTM
Soil Position
Coastal non−farmed
Inland farmed
Mountain non−farmed
Clay_g_per_kg
200
400
600


Clay_g_per_kg to Agricultural System
600
400
200
0
Clay_g_per_kg
Non−Farmed
Runoff capture
Tephra mulched
Terraced
Agricultural System

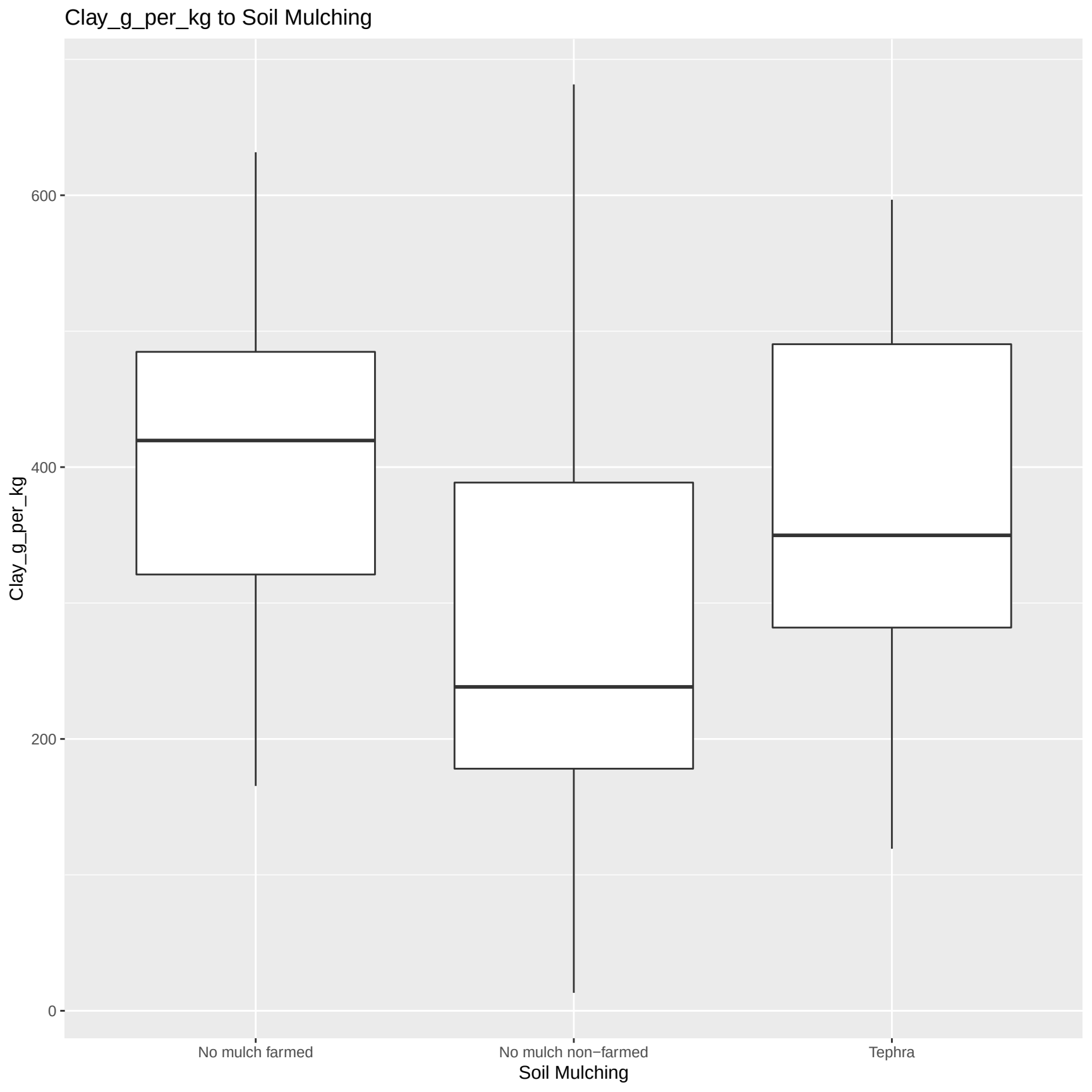
Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
1	Clay_g_per_kg	Non−Farmed	Runoff capture	142	44	1497	1.86e−07	1.12e−06	****
2	Clay_g_per_kg	Non−Farmed	Tephra mulched	142	40	1829	5.96e−04	2.00e−03	**
3	Clay_g_per_kg	Non−Farmed	Terraced	142	50	1950	2.21e−06	1.11e−05	****
4	Clay_g_per_kg	Runoff capture	Tephra mulched	44	40	1020	2.13e−01	6.39e−01	ns
5	Clay_g_per_kg	Runoff capture	Terraced	44	50	1130	8.23e−01	8.23e−01	ns
6	Clay_g_per_kg	Tephra mulched	Terraced	40	50	887	3.61e−01	7.22e−01	ns


Clay_g_per_kg to Soil Farming
600
400
200
0
Clay_g_per_kg
Farmed
Non−Farmed
Soil Farming

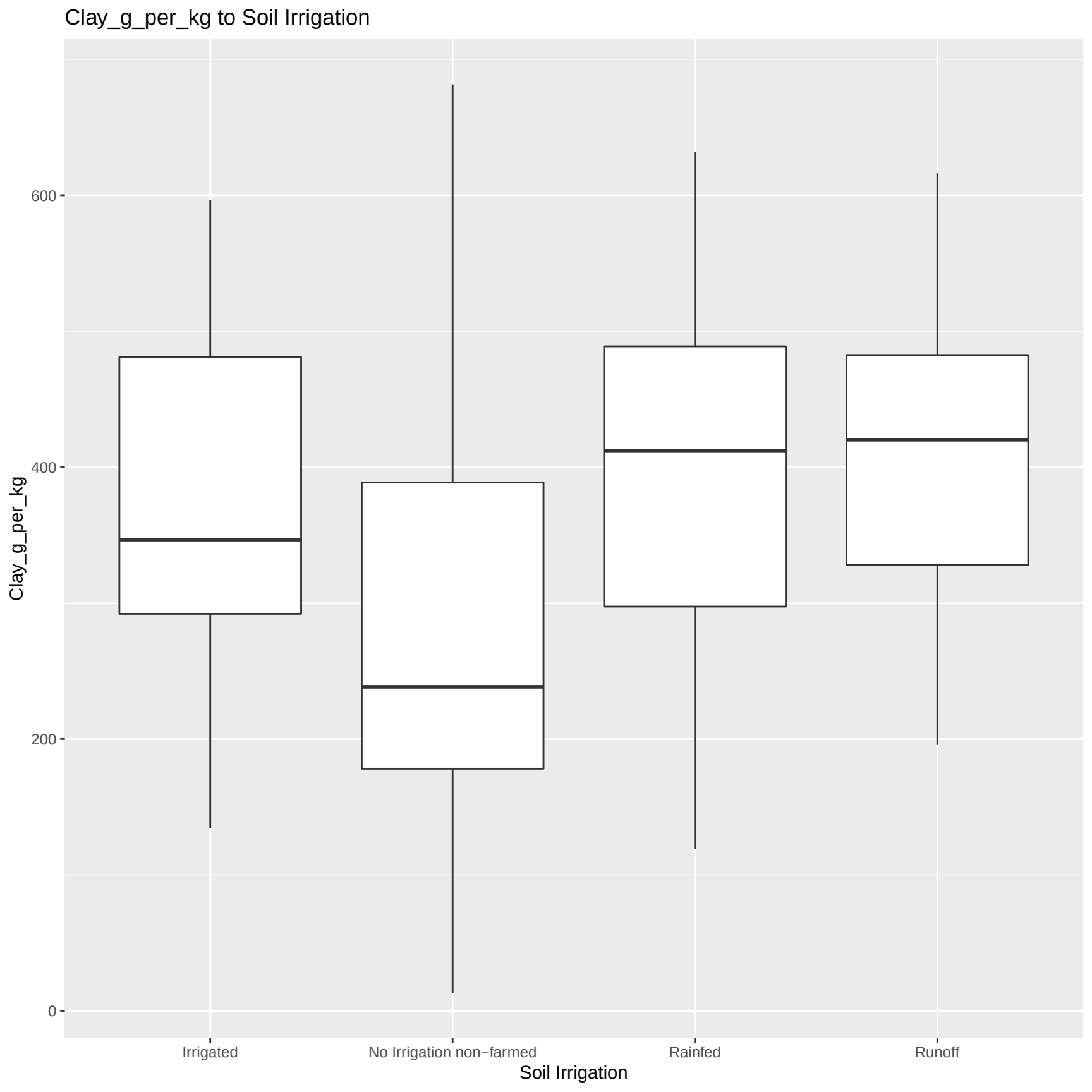
Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p
1	Clay_g_per_kg	Farmed	Non−Farmed	134	142	13752	1.62e−10


Clay_g_per_kg to Soil Mulching
600
400
200
0
Clay_g_per_kg
No mulch farmed
No mulch non−farmed
Tephra
Soil Mulching

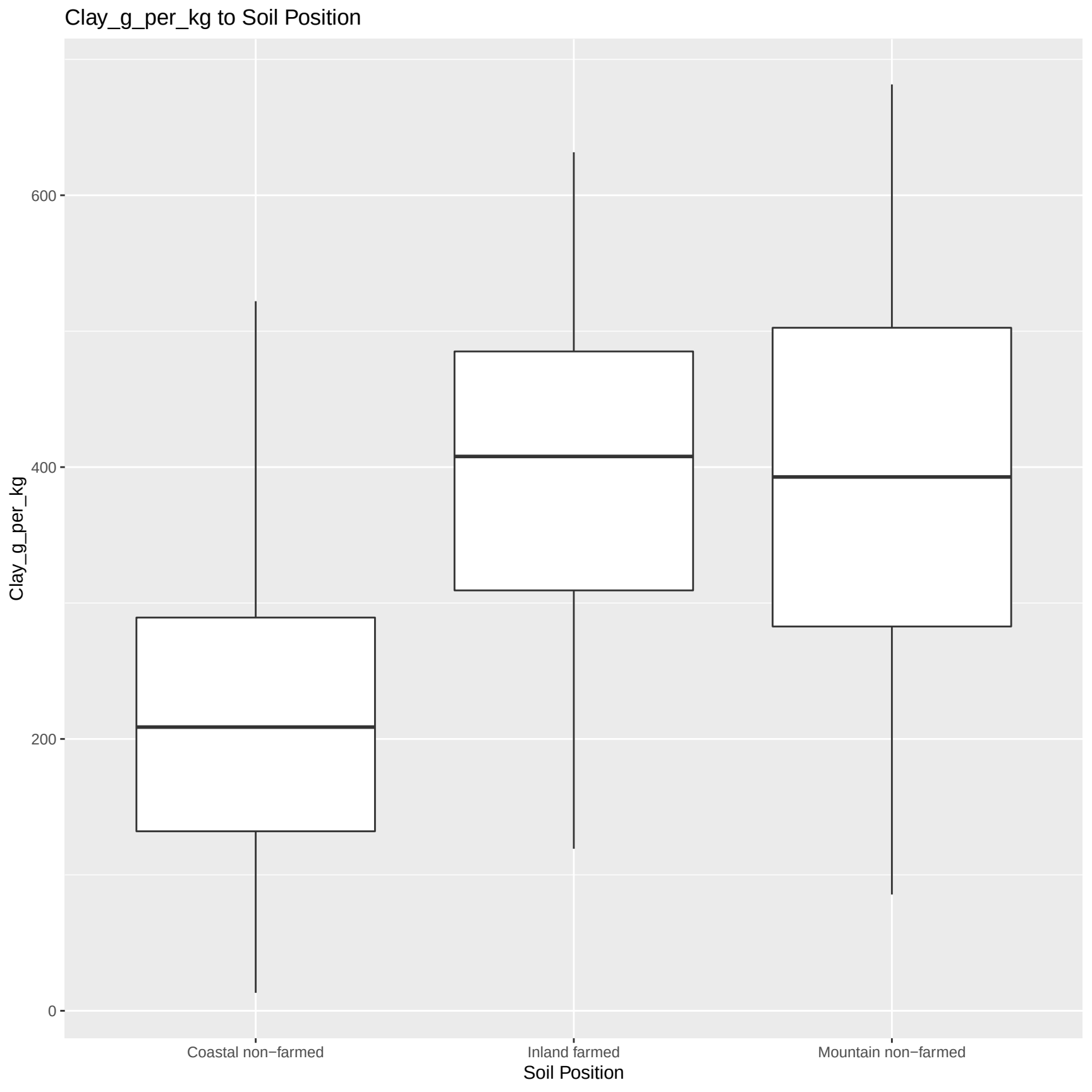
Wilcox test for mean comparison

.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.sign
Clay_g_per_kg	No mulch farmed	No mulch non−farmed	94	142	9901	3.30e−10	9.9e−10	****
Clay_g_per_kg	No mulch farmed	Tephra	94	40	2133	2.20e−01	2.2e−01	ns
Clay_g_per_kg	No mulch non−farmed	Tephra	142	40	1829	5.96e−04	1.0e−03	**


Clay_g_per_kg to Soil Irrigation
600
400
200
0
Clay_g_per_kg
Irrigated
No Irrigation non−farmed
Rainfed
Runoff
Soil Irrigation

Wilcox test for mean comparison

.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.s
lay_g_per_kg	Irrigated	No Irrigation non−farmed	20	142	1923	1.10e−02	4.20e−02	*
lay_g_per_kg	Irrigated	Rainfed	20	70	636	5.38e−01	1.00e+00	ns
lay_g_per_kg	Irrigated	Runoff	20	44	363	2.70e−01	8.10e−01	ns
lay_g_per_kg	No Irrigation non−farmed	Rainfed	142	70	2862	5.24e−07	2.62e−06	***
lay_g_per_kg	No Irrigation non−farmed	Runoff	142	44	1497	1.86e−07	1.12e−06	***
lay_g_per_kg	Rainfed	Runoff	70	44	1447	5.90e−01	1.00e+00	ns


Clay_g_per_kg to Soil Position
600
400
200
0
Clay_g_per_kg
Coastal non−farmed
Inland farmed
Mountain non−farmed
Soil Position

Wilcox test for mean comparison

	.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.sign
1	Clay_g_per_kg	Coastal non−farmed	Inland farmed	92	134	1943	2.34e−18	7.02e−18	****
2	Clay_g_per_kg	Coastal non−farmed	Mountain non−farmed	92	50	909	2.87e−09	5.74e−09	****
3	Clay_g_per_kg	Inland farmed	Mountain non−farmed	134	50	3367	9.59e−01	9.59e−01	ns