



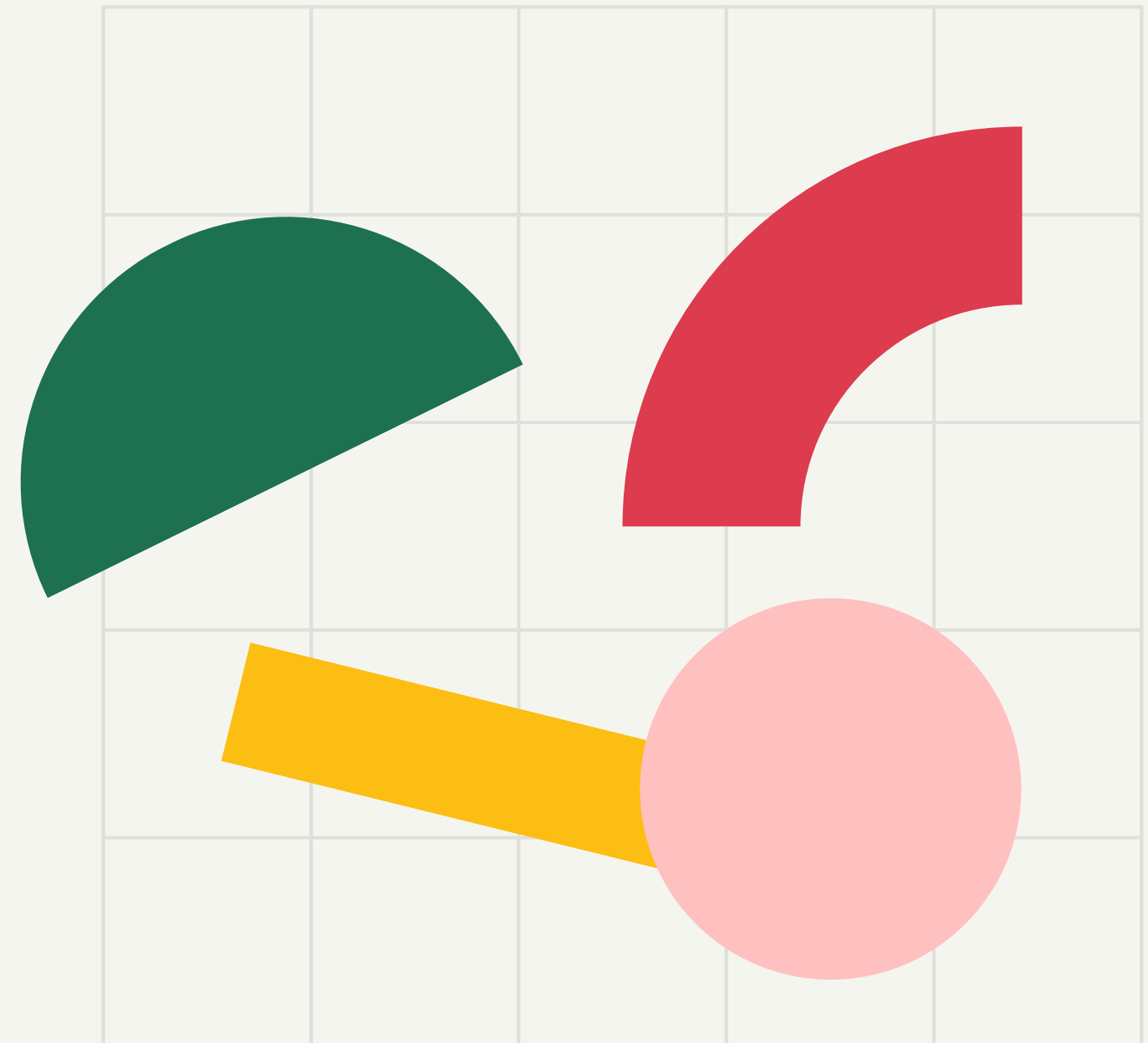
Infrastructure Analytics

by Papon Choonhaklai 6210503691

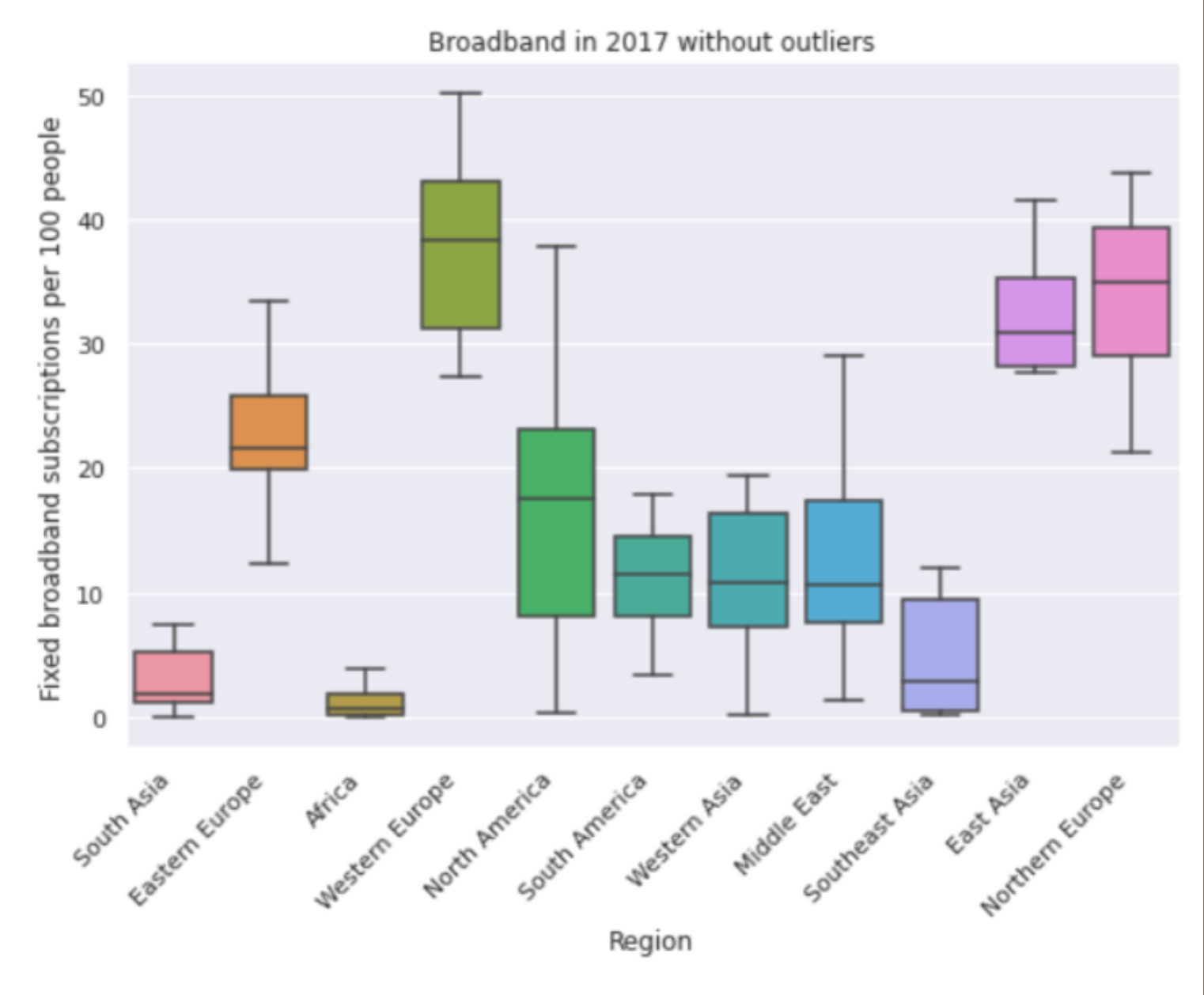
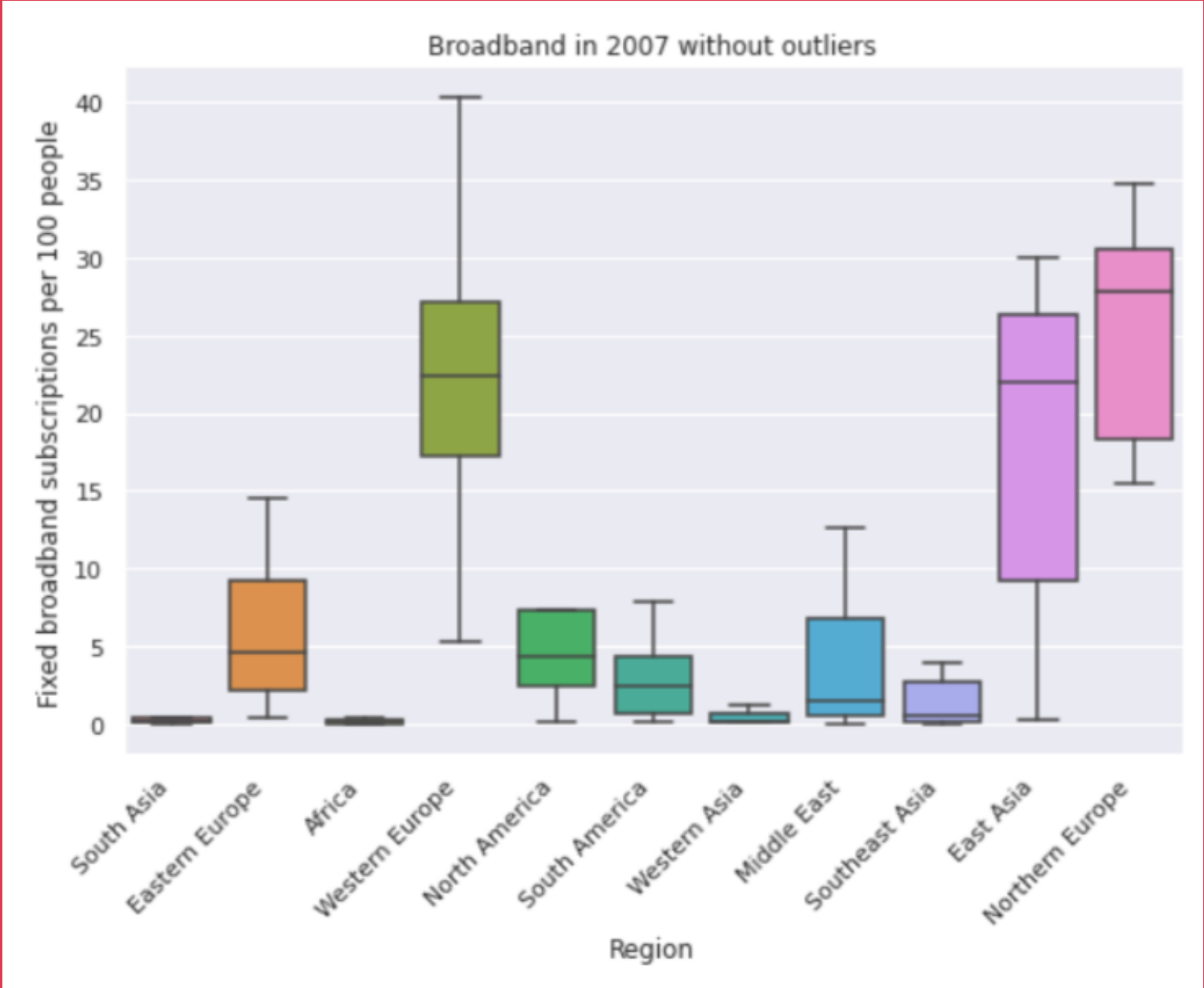
Part1

Infrastructure Data

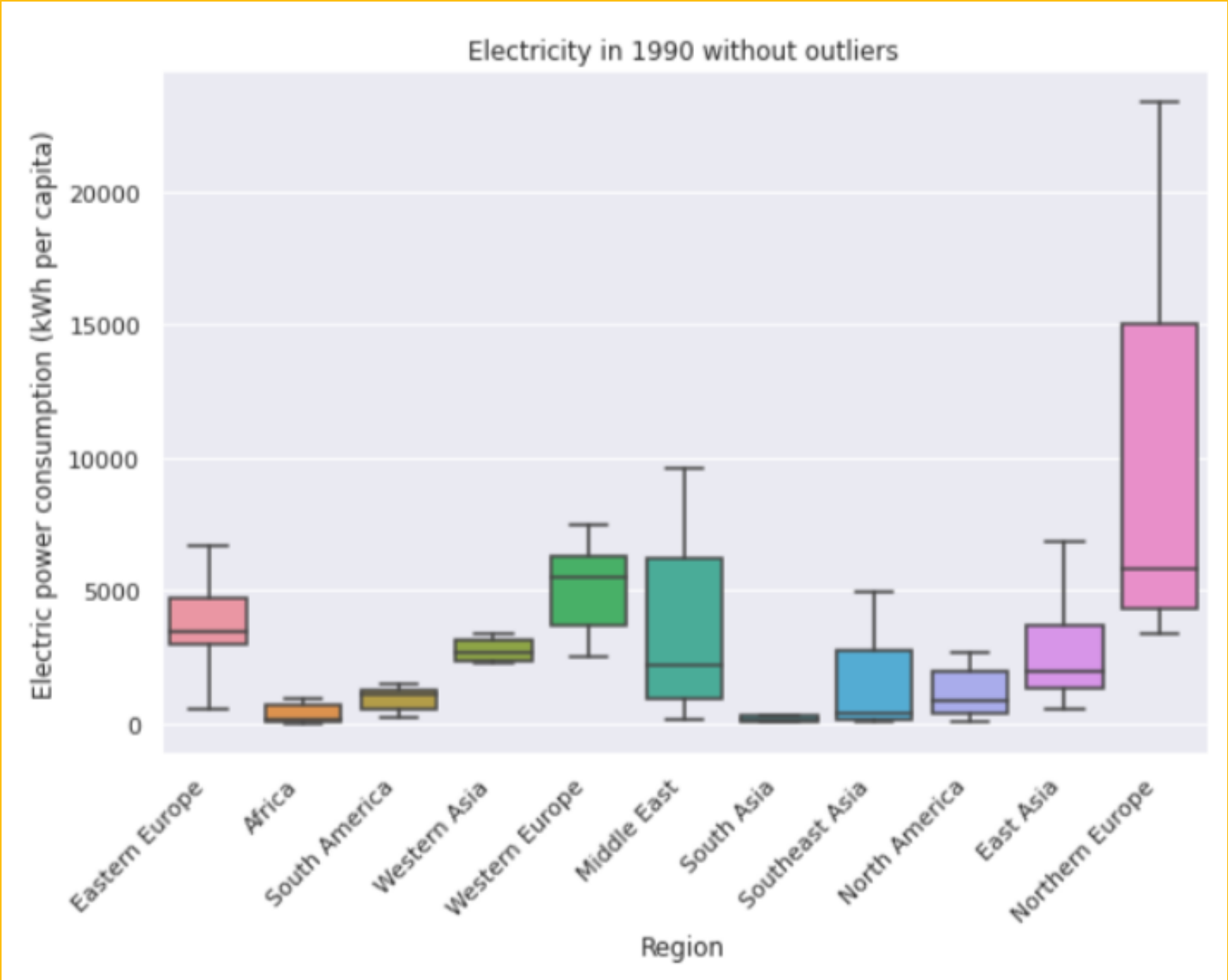
1. Broadband Subscription
2. Electricity consumption
3. Mobile Cellular Subscription



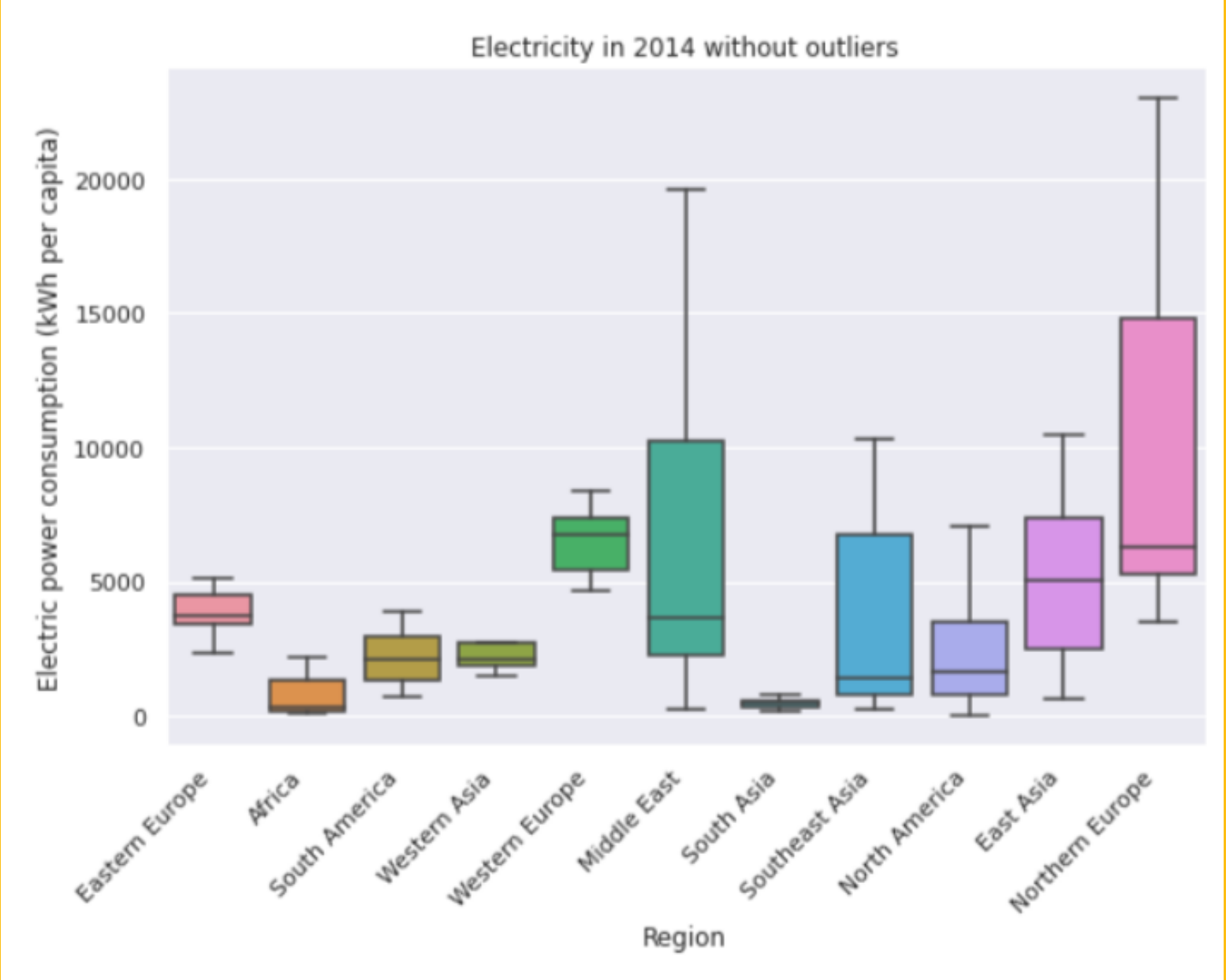
Broadband Subscription



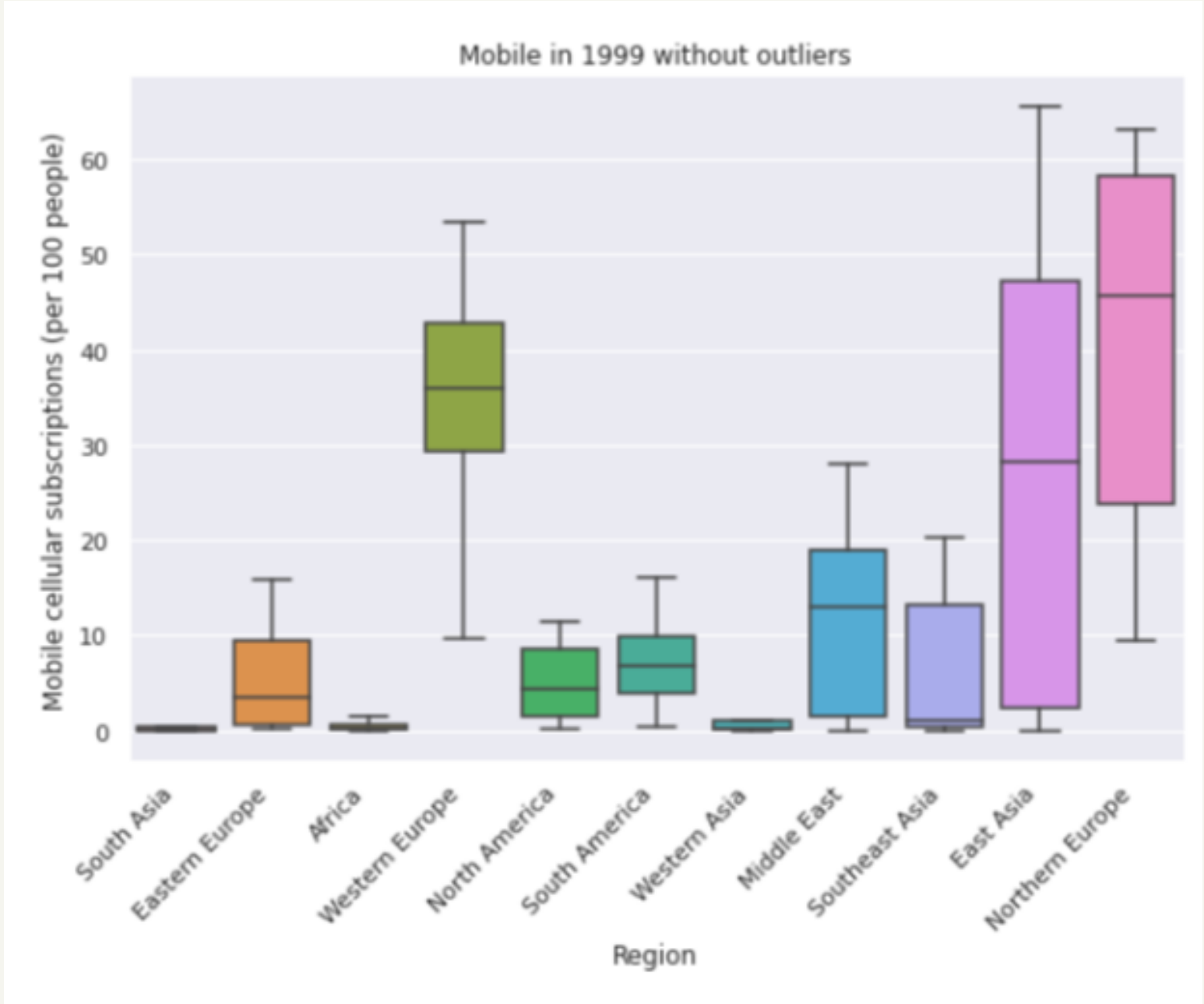
Electricity Consumption



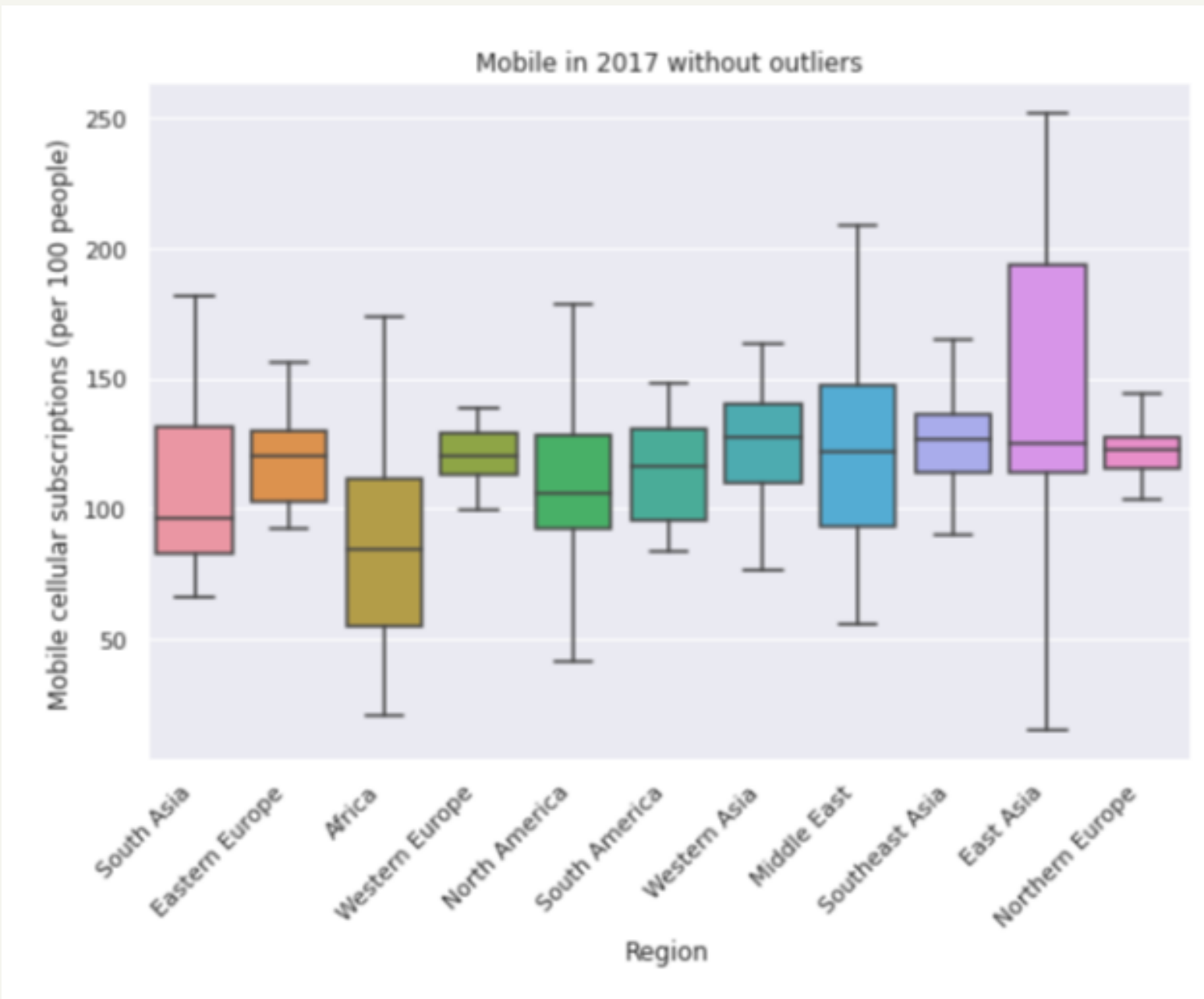
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Mobile Cellular Subscription



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Part 2

Region Subgroup

- ThirdWorld: Bangladesh, Sudan, Haiti, etc.
- South America: Venezuela, Brazil, Argentina, etc.
- Western Asia: Georgia, Kazakhstan, Azerbaijan, etc.



Broadband Subscription

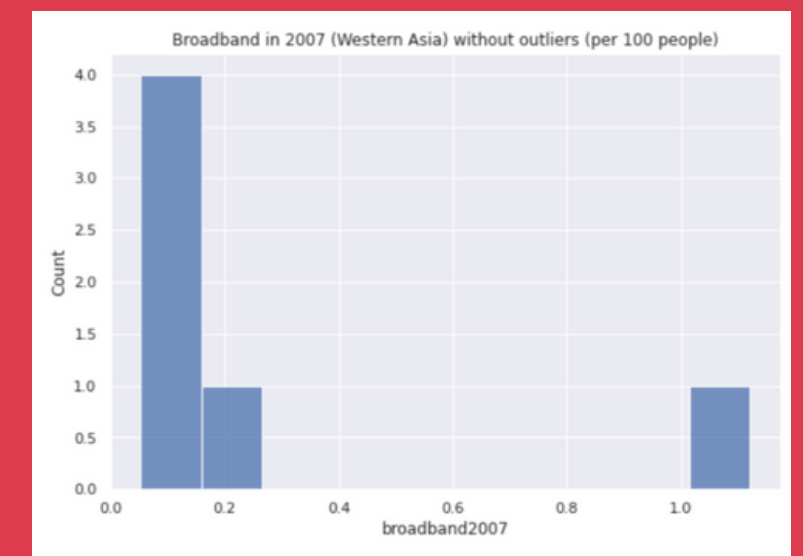
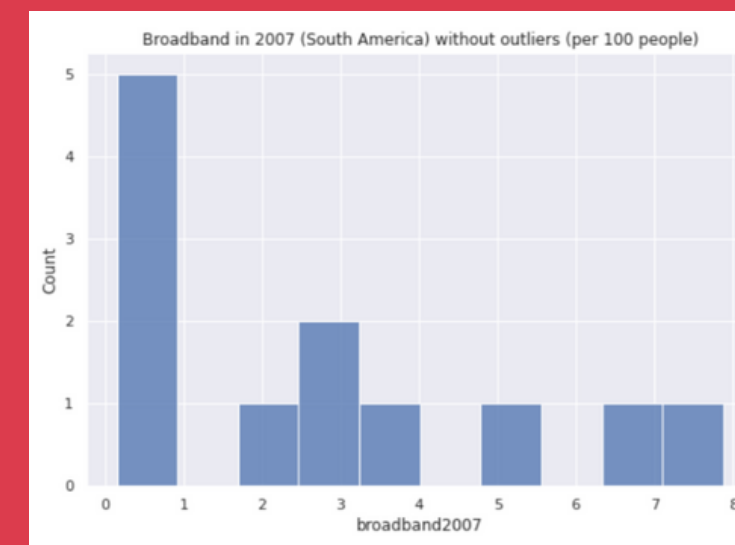
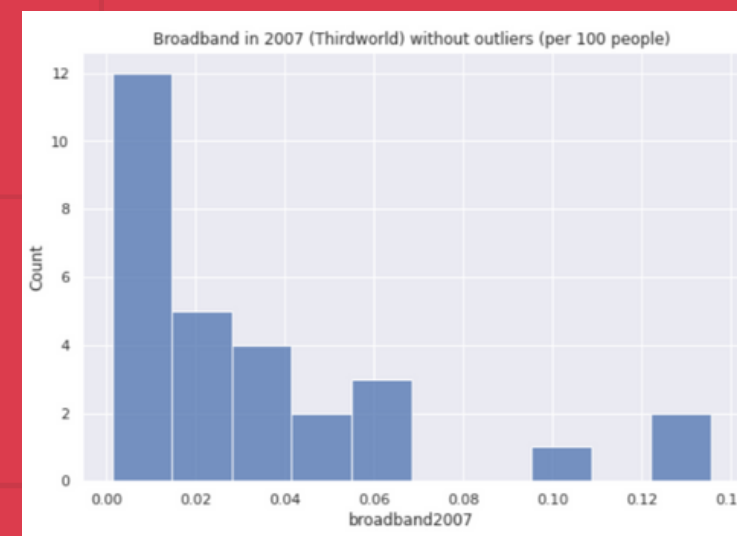
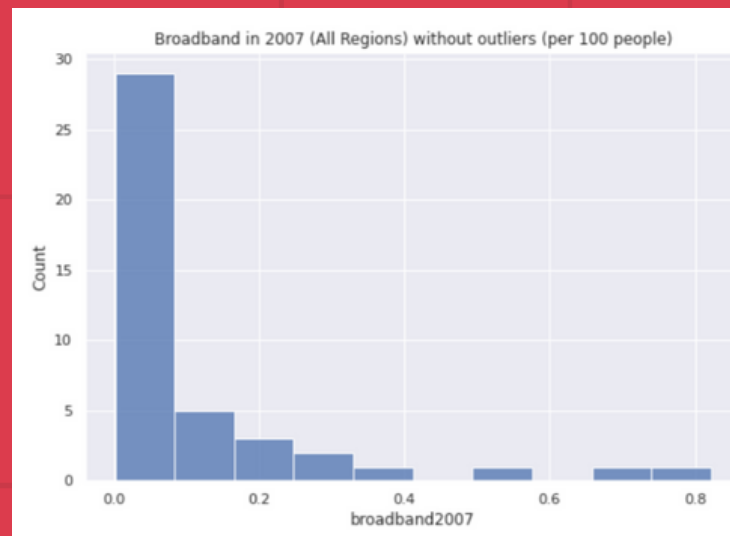
All Region

Third World

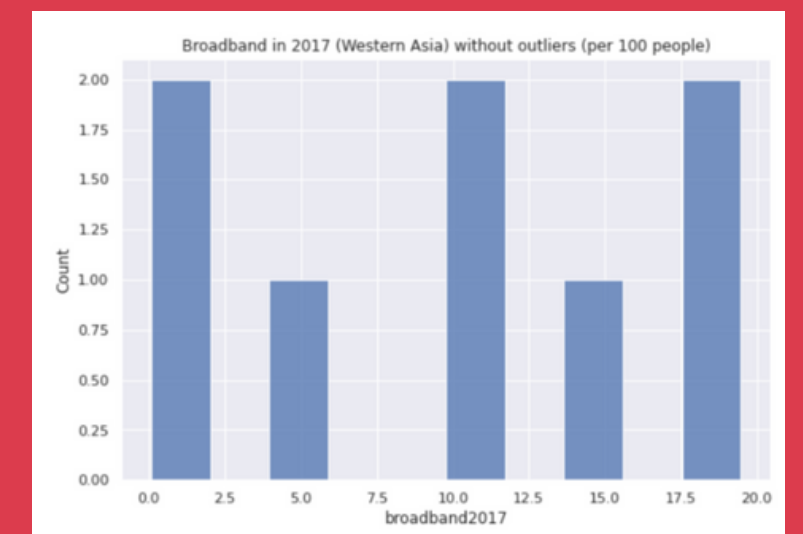
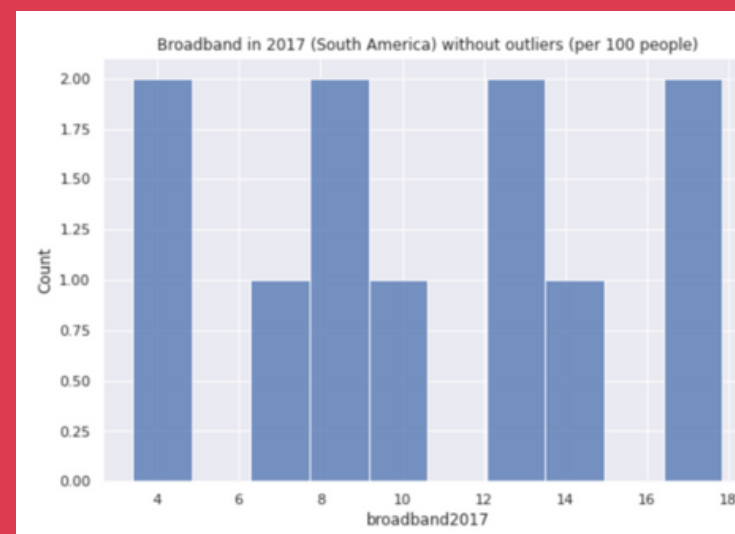
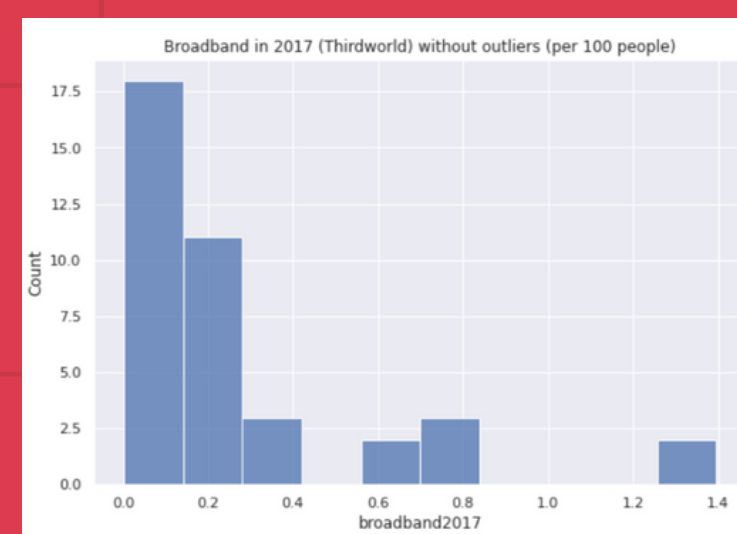
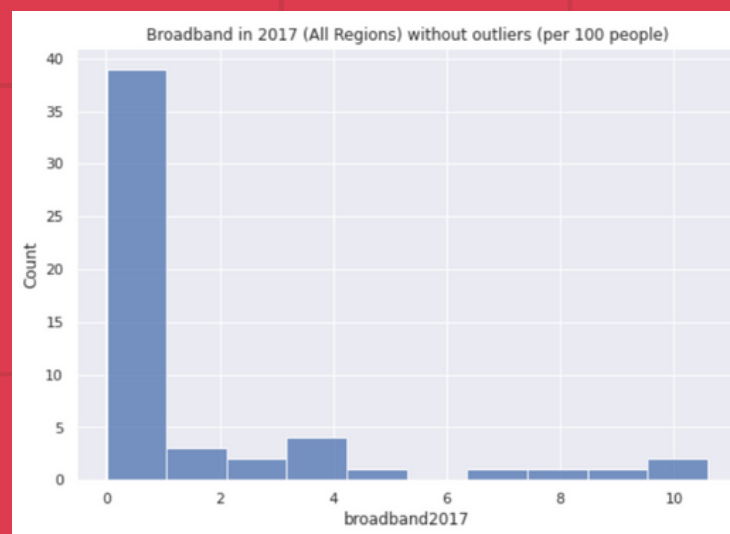
South America

Western Asia

2007



2017



Broadband Subscription

2007	Thailand	ThirdWorld	South America	Western Asia
Mean	1.954217	0.033303	2.803596	0.267353
Median	-	0.020286	2.386202	0.101745
SD	-	0.035742	2.597414	0.420957
IQR	-	0.038892	3.626426	0.09607

2017	Thailand	ThirdWorld	South America	Western Asia
Mean	11.85959	0.268407	10.597418	9.685137
Median	-	0.181788	10.596180	10.548199
SD	-	0.340938	4.683930	7.635933
IQR	-	0.233955	5.568013	12.122172

Electricity Consumption

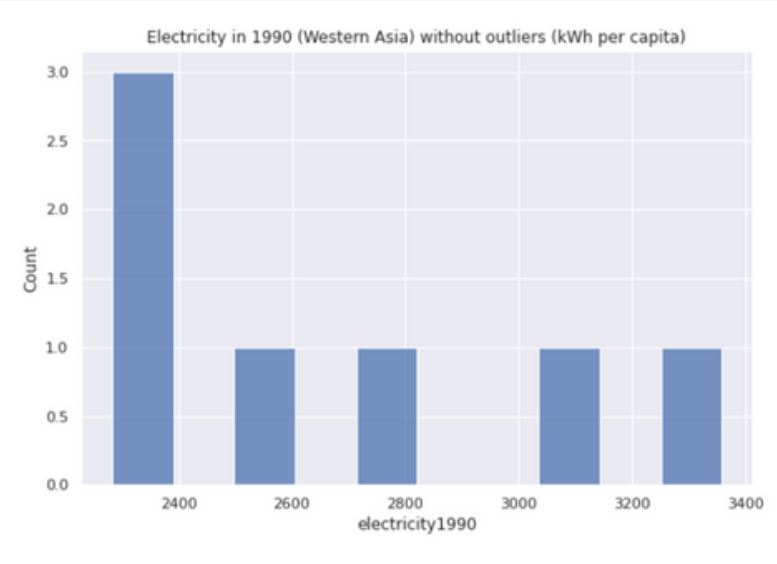
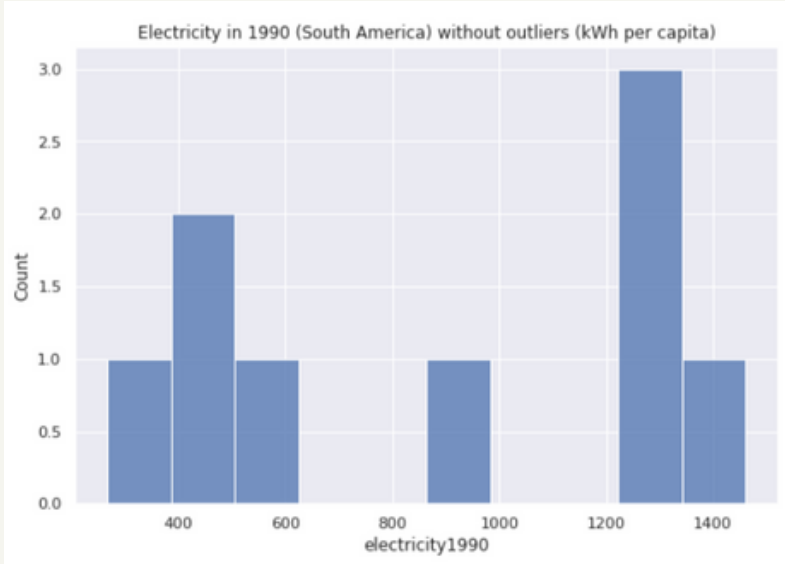
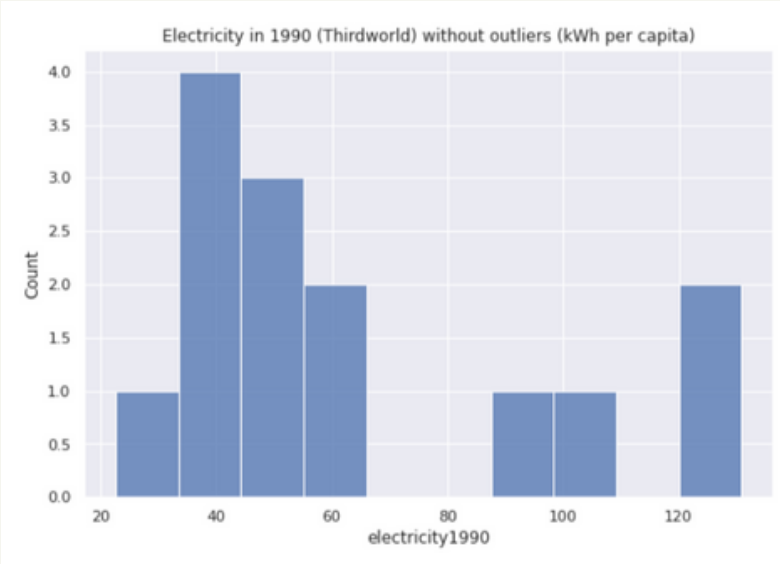
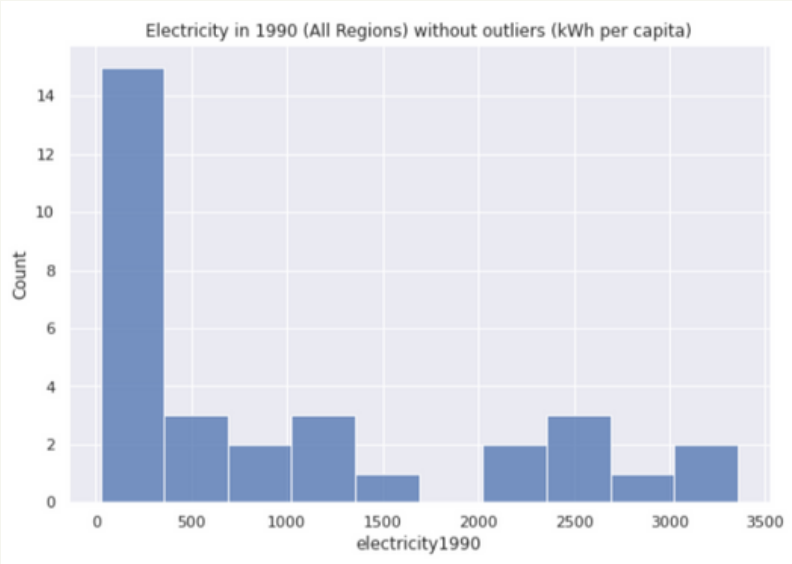
All Region

Third World

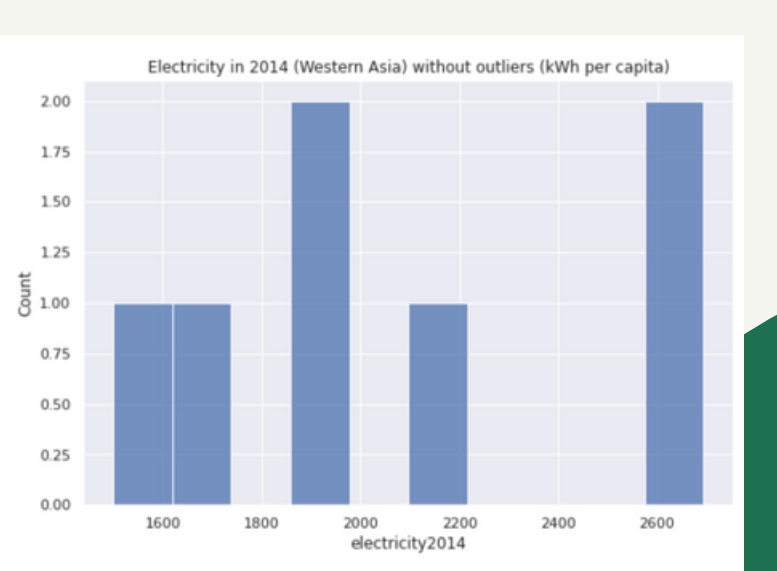
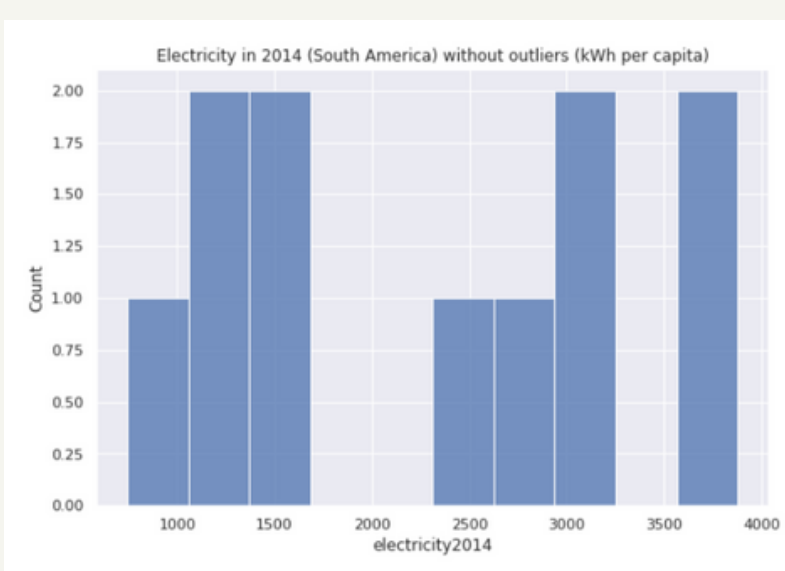
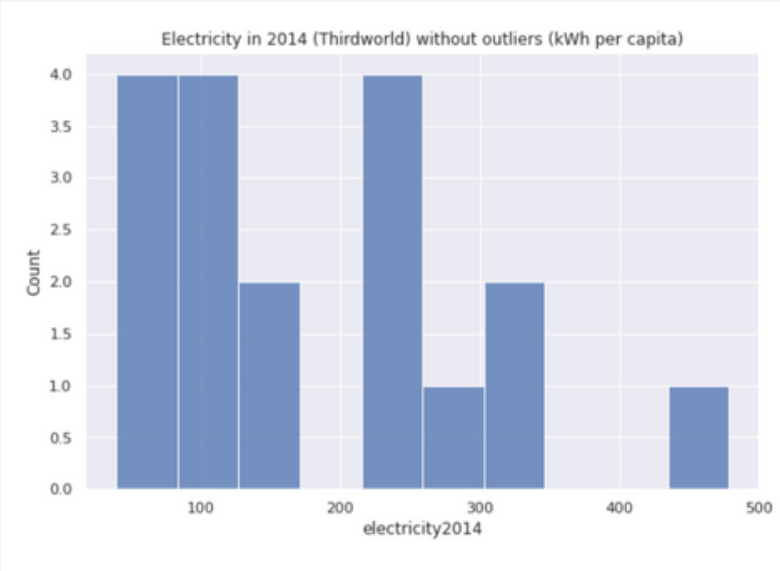
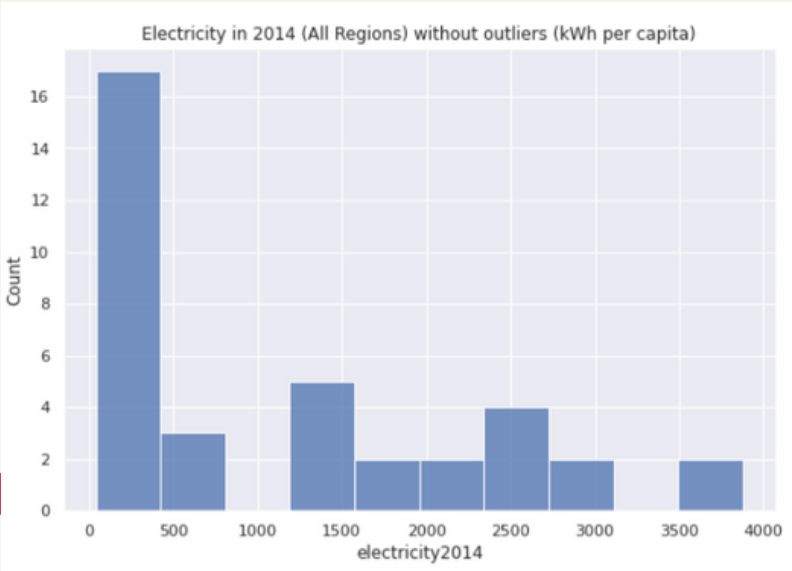
South America

Western Asia

1990



2014



Electricity Consumption

1990	Thailand	ThirdWorld	South America	Western Asia
Mean	709.552334	64.795453	878.883547	2670.372130
Median	-	52.435129	871.593984	2575.639056
SD	-	34.320432	443.096455	401.950871
IQR	-	41.393727	740.20241	523.975464

2014	Thailand	ThirdWorld	South America	Western Asia
Mean	2538.795713	178.731166	2300.436787	2088.984572
Median	-	150.569120	2619.960499	1961.610395
SD	-	118.651720	1067.492999	467.085078
IQR	-	152.372861	1,718.809657	647.247965

Mobile Cellular Subscription

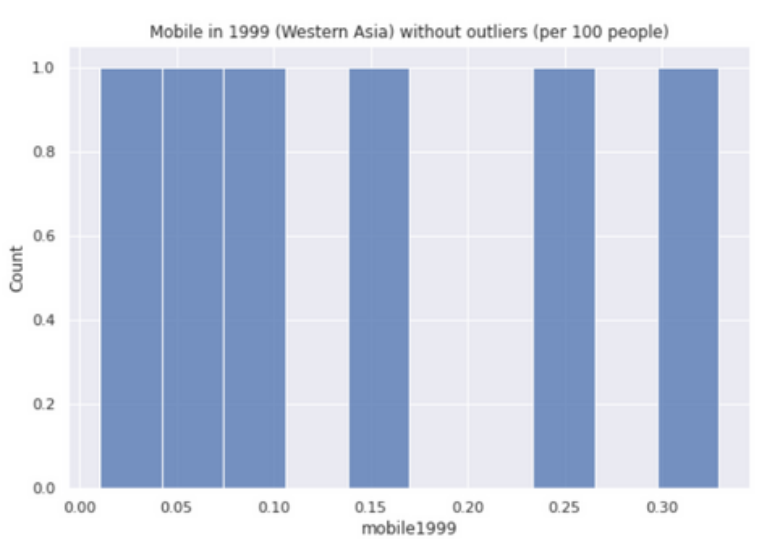
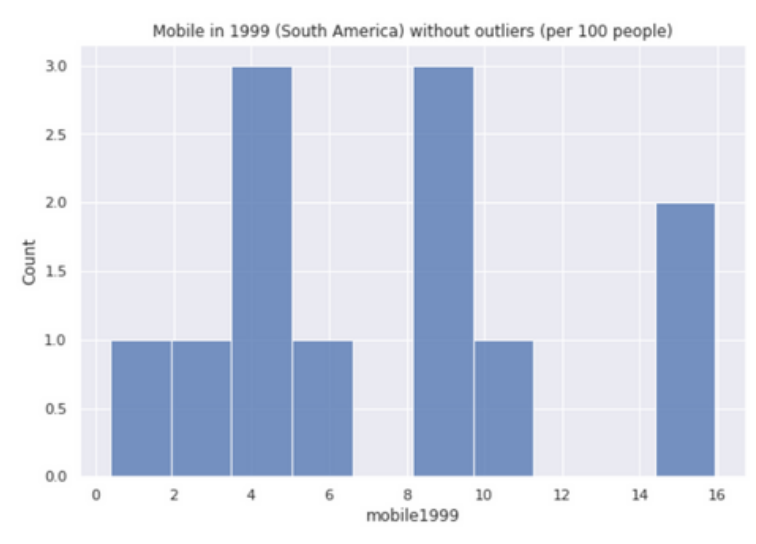
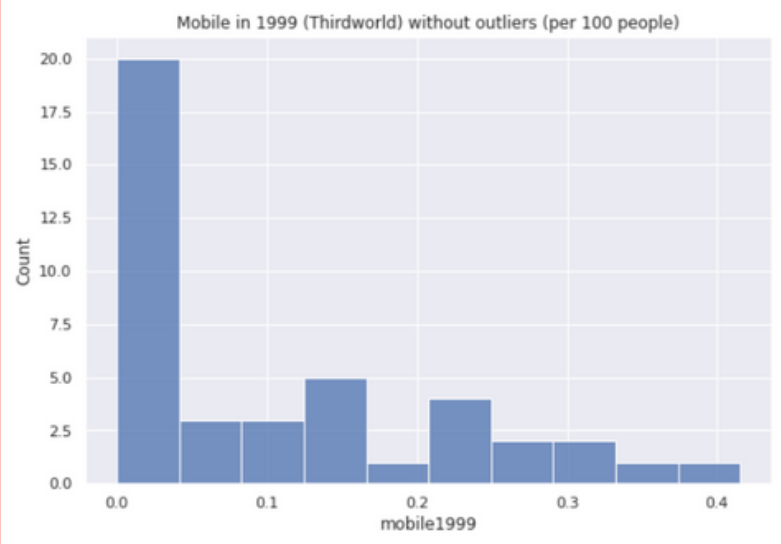
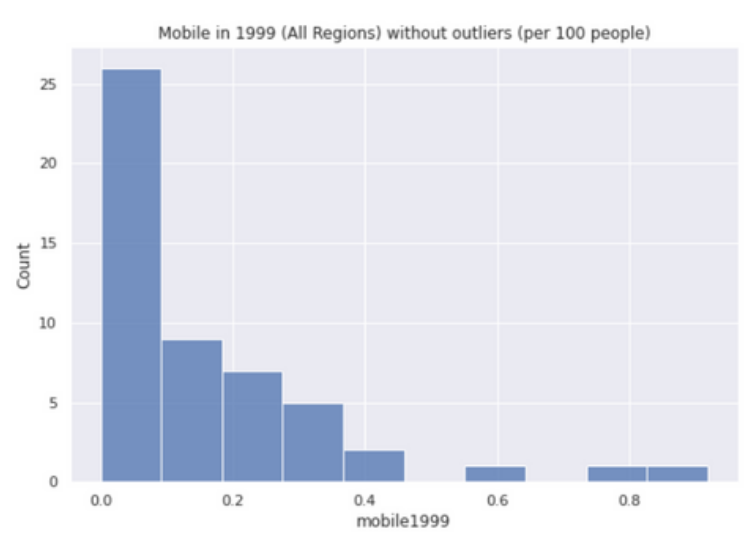
All Region

Third World

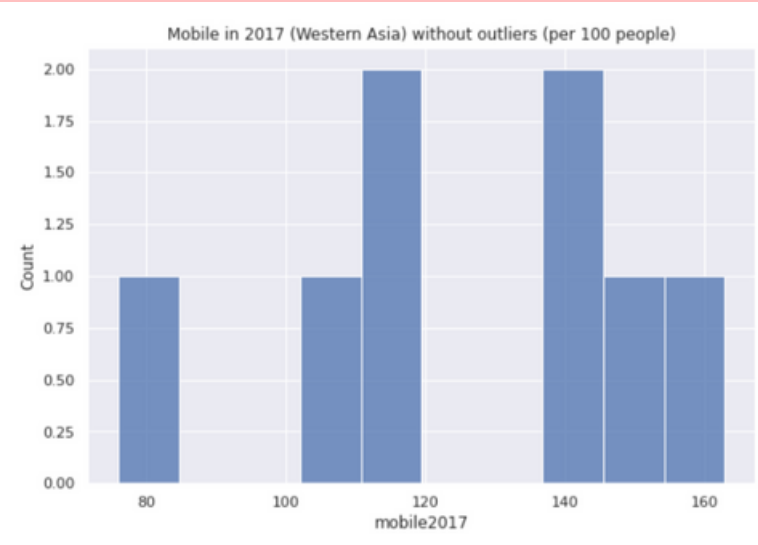
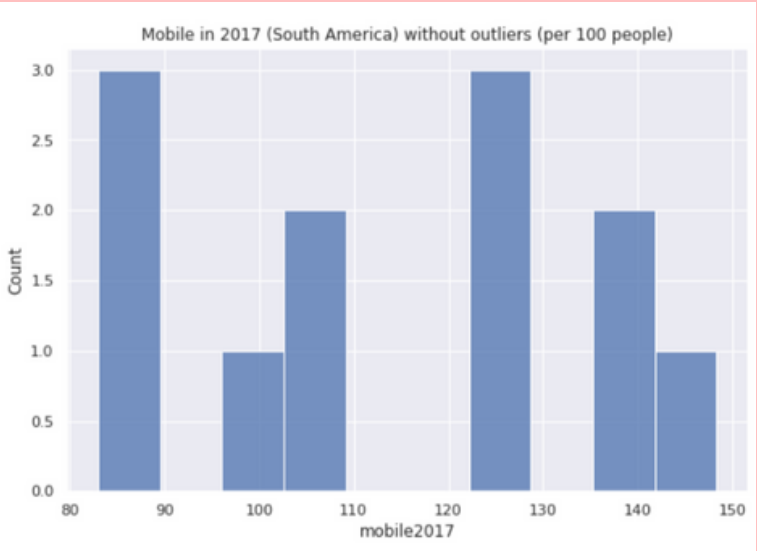
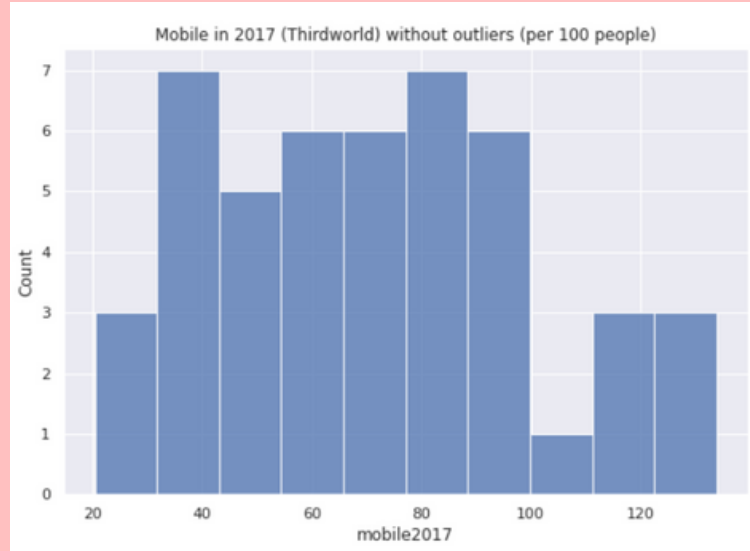
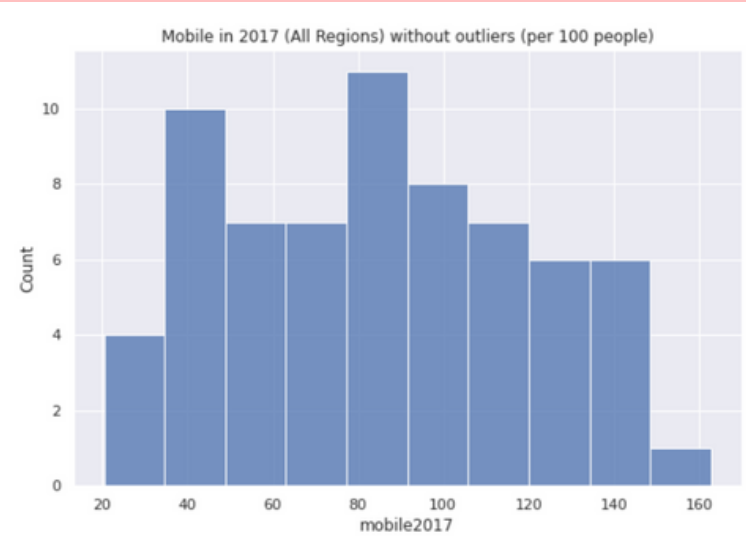
South America

Western Asia

1999



2017



Mobile Cellular Subscription

1999	Thailand	ThirdWorld	South America	Western Asia
Mean	3.755144	0.109380	7.446882	0.151986
Median	-	0.052323	6.720799	0.127505
SD	-	0.119377	4.781530	0.124983
IQR	-	0.196844	6.019665	0.177403

2017	Thailand	ThirdWorld	South America	Western Asia
Mean	175.596494	70.780955	114.250897	124.168342
Median	-	70.360598	116.257398	127.635437
SD	-	29.397669	23.146392	27.653236
IQR	-	47.324096	35.003536	30.494144



Thankyou