Appendix for question "5. Lines 30-31"

Cut Radius = 5

Metric	Brazil	Chile	Peru	Mexico	ElSalvador	USA
Nº of nodes	5565	345	1874	2193	261	3142
Nº of edges	60890	456	4535	8449	112	27652
Average degree	21.9	2.6	4.8	7.7	0.9	17.6
Max. degree	59	12	15	30	4	54
Min. degree	0	0	0	0	0	0
Variance	141.4	6.0	10.4	33.2	1.0	148.9
Standard deviation	11.9	2.5	3.2	5.8	1.0	12.2
Average eccentricity	41.5	10.3	43.6	44.9	5.5	46.9

Case (+10%) | Cut Radius = 5.5

Metric	Brazil	Chile	Peru	Mexico	ElSalvador	USA
Nº of nodes	5565	345	1874	2193	261	3142
Nº of edges	73597	558	5531	10122	135	33227
Average degree	26.4	3.2	5.9	9.2	1.0	21.2
Max. degree	68	14	17	34	4	59
Min. degree	0	0	0	0	0	0
Variance	198.4	8.7	14.2	45.7	1.2	211.1
Standard deviation	14.1	2.9	3.8	6.8	1.1	14.5
Average eccentricity	46	22.4	38.9	42.7	5.7	46.6

Case (-10%) | Cut Radius = 4.5

Metric	Brazil	Chile	Peru	Mexico	ElSalvador	USA
Nº of nodes	5565	345	1874	2193	261	3142
Nº of edges	49342	361	3693	6852	89	22401
Average degree	17.7	2.1	3.9	6.2	0.7	14.3
Max. degree	49	8	14	25	4	42
Min. degree	0	0	0	0	0	0
Variance	96.5	4.2	7.5	23.1	0.8	99.6
Standard deviation	9.8	2.1	2.7	4.8	0.9	10.0
Average eccentricity	48.4	11.7	49.7	46.4	5.6	40.0

Percentage Difference
between Cut Radius = 5 and Case (+10%)

Metric	Brazil	Chile	Peru	Mexico	ElSalvador	USA
Nº of nodes	5565	345	1874	2193	261	3142
Nº of edges	20.87%	22.37%	21.96%	19.80%	20.54%	20.16%
Average degree	20.55%	23.08%	22.92%	19.48%	11.11%	20.45%
Max. degree	15.25%	41.67%	13.33%	13.33%	4.00%	9.26%
Min. degree	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Variance	40.31%	45.00%	36.54%	37.65%	20.00%	41.77%
Standard deviation	18.49%	16.00%	18.75%	17.24%	10.00%	18.85%
Average eccentricity	10.84%	117.48%	-2.06%	-4.90%	3.64%	-0.64%

Percentage Difference
## between Cut Radius = 5 and Case (-10%)

Metric	Brazil	Chile	Peru	Mexico	ElSalvador	USA
Nº of nodes	5565	345	1874	2193	261	3142
Nº of edges	-18.97%	-20.83%	-18.57%	-18.90%	-20.54%	-18.99%
Average degree	-19.18%	-19.23%	-18.75%	-19.48%	-22.22%	-18.75%
Max. degree	-16.95%	-33.33%	-6.67%	-16.67%	4.00%	-22.22%
Min. degree	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Variance	-31.75%	-30.00%	-27.88%	-30.42%	-20.00%	-33.11%
Standard deviation	-17.65%	-16.00%	-15.62%	-17.24%	-10.00%	-18.03%
Average eccentricity	16.63%	13.59%	13.99%	3.34%	1.82%	-14.71%

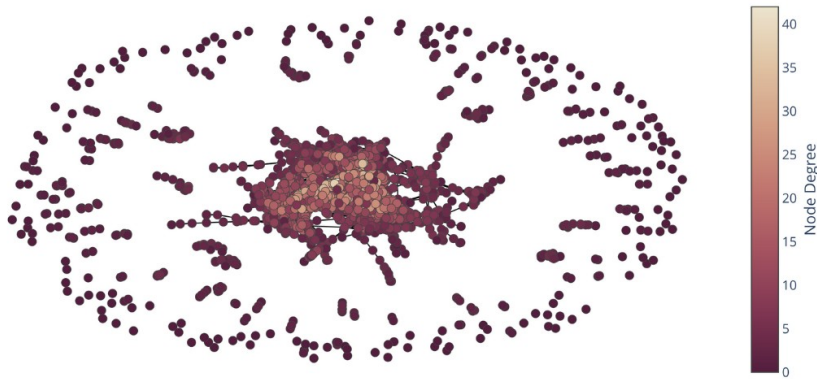# Case USA: Result Based on GCA

GCA: df_USA_PerCounty | Cut_Rad: 5
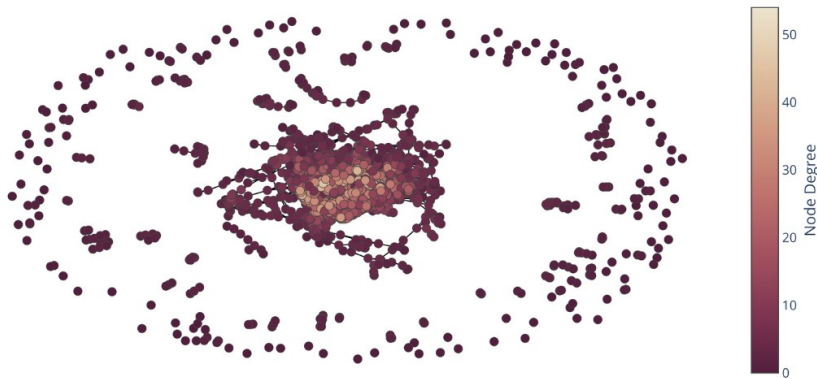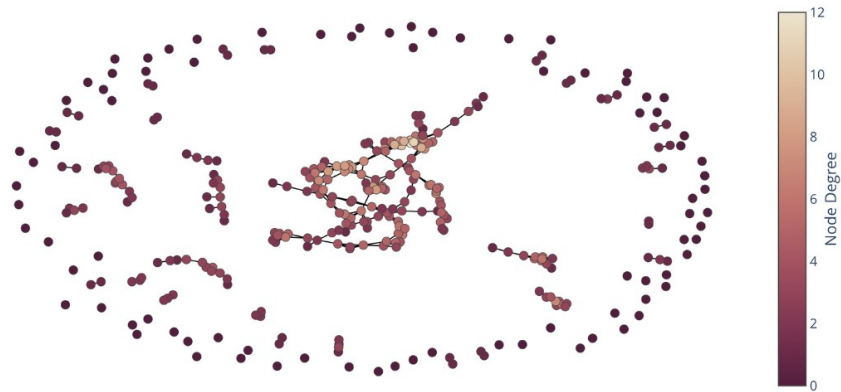

GCA: df_USA | Cut_Rad: 5.5+10%
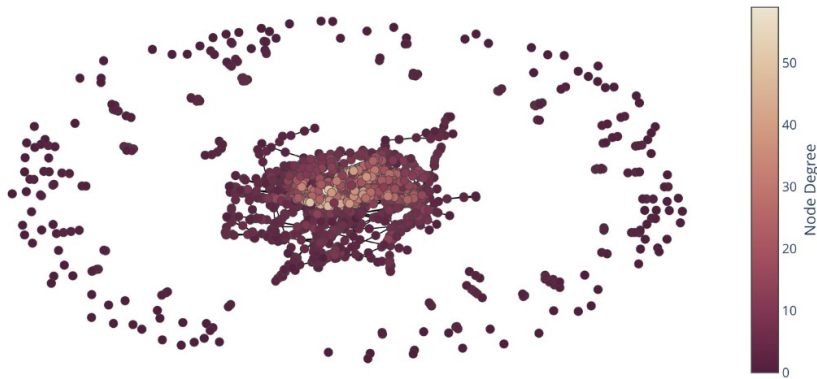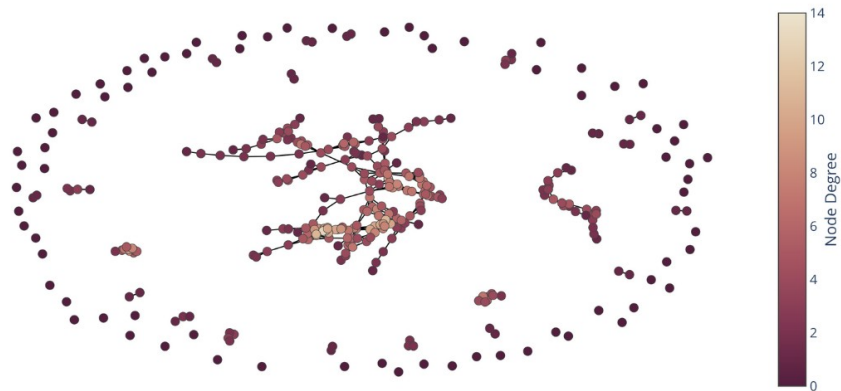

GCA: df_USA | Cut_Rad: 4.5-10%

Case Chile: Result Based on GCA

GCA: df_Chile | Cut_Rad: 5

GCA: df_Chile | Cut_Rad: 5.5+10%

GCA: df_Chile | Cut_Rad: 4.5-10%