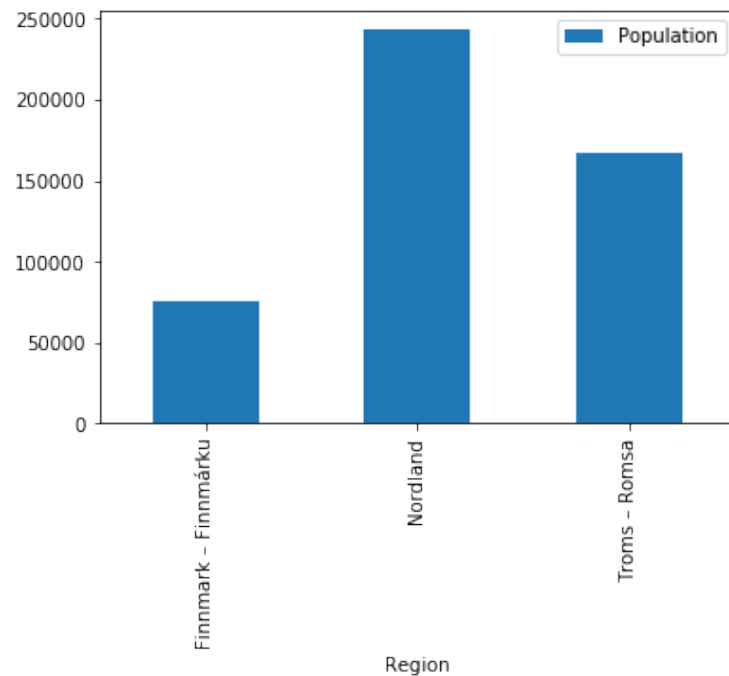
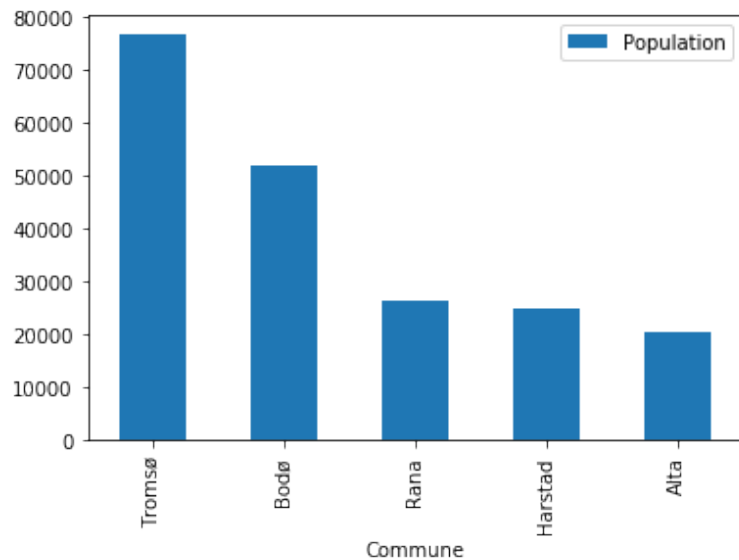


Northern Norway

Where to place a capital in the Northern region?

Nordland as most inhabitants



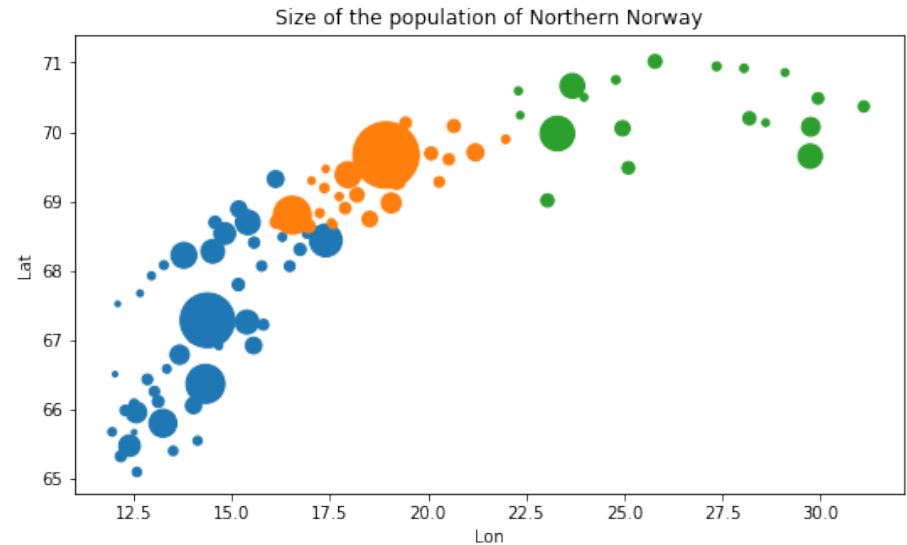
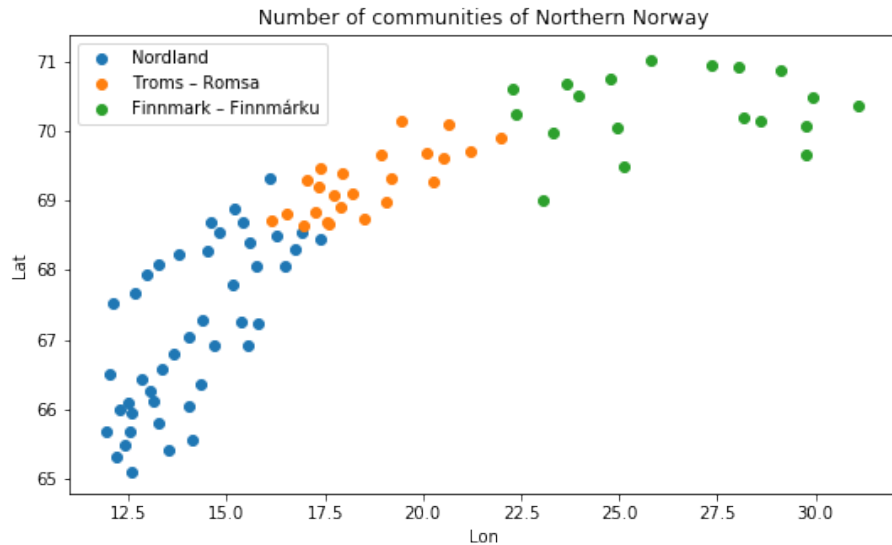
But Troms has the biggest town Tromsø!

The data gathered

Most populated Communes after data gathering, cleaning and perpering.

	Commune	Commune id	Region	Region id	lat	long	Population
45	Tromsø	1902	Troms – Romsa	19	69.666667	18.933333	76649
0	Bodø	1804	Nordland	18	67.283333	14.383333	52024
16	Rana	1833	Nordland	18	66.366667	14.333333	26315
44	Harstad	1903	Troms – Romsa	19	68.799694	16.544306	24827
72	Alta	2012	Finnmark – Finnmarku	20	69.976667	23.295833	20665
1	Narvik	1805	Nordland	18	68.436300	17.398300	18630
10	Vefsn	1824	Nordland	18	65.799167	13.250556	13403
59	Leivik	1931	Troms – Romsa	19	69.383611	17.967500	11679
36	Vestvågøy	1860	Nordland	18	68.221389	13.784444	11480
70	Hammerfest	2004	Finnmark – Finnmarku	20	70.663333	23.677778	10536
41	Sortland	1870	Nordland	18	68.695833	15.413056	10518
86	Sør-Varanger	2030	Finnmark – Finnmarku	20	69.650000	29.733333	10156
24	Fauske	1841	Nordland	18	67.258889	15.391389	9760
37	Vågan	1865	Nordland	18	68.278056	14.520833	9595
38	Hadse	1866	Nordland	18	68.535000	14.825000	8091
4	Brønnøy	1813	Nordland	18	65.475833	12.400278	7916
8	Alstahaug	1820	Nordland	18	65.956667	12.572778	7415
53	Målselv	1924	Troms – Romsa	19	68.975000	19.064444	6805
20	Meløy	1837	Nordland	18	66.788056	13.675833	6331

All the communities and population

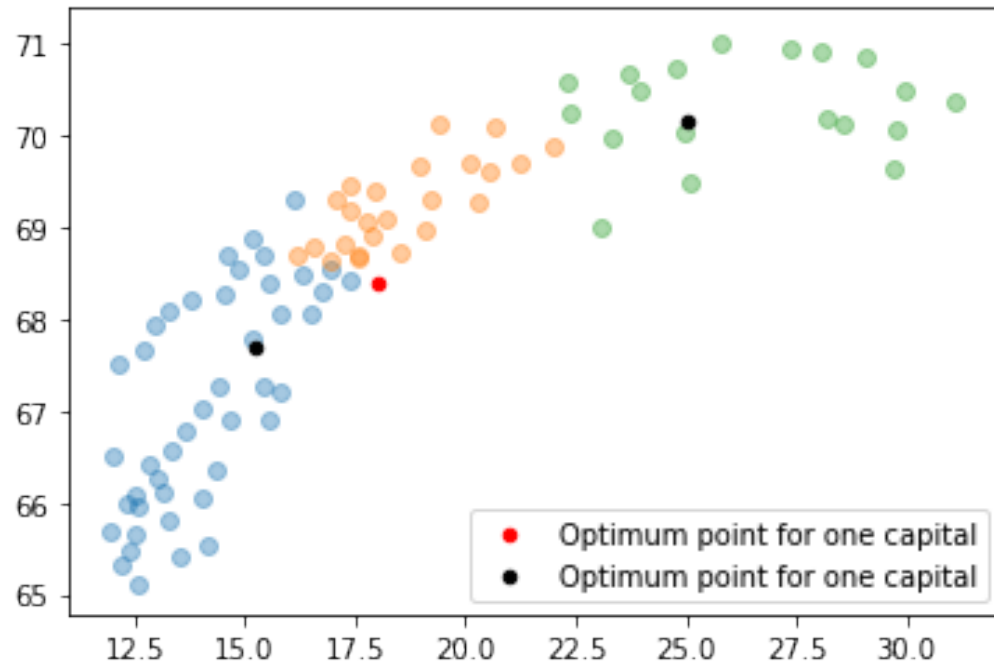


The biggest region is Nordland in the south It also has the biggest communes.

Kmean on distance only

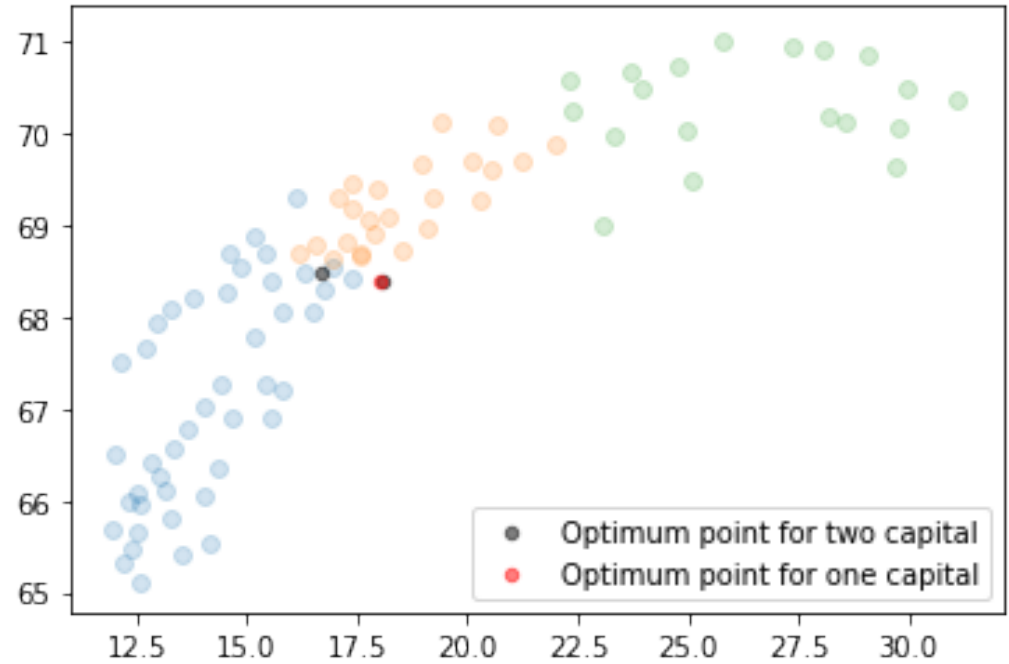
If we are doing a Kmean measurement with one centroid, we are getting a center far from a big city (red dot).

When making two centroids we are getting one near Bodø (biggest community in Nordland) and one far north far from a big community in the north.



Kmean on distance and population

When adding the population the two centroids moves towards the center of the northern part.



Conclusion

- The northern Norway has few inhabitants with long distances.
- It is difficult to reorganize to one region.
- It is difficult to have one region, maybe it is best to have at least two.