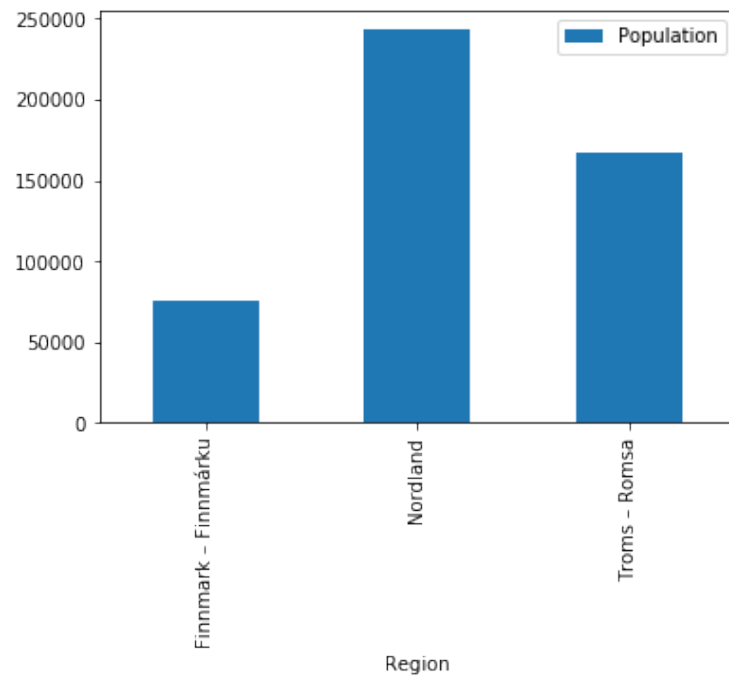


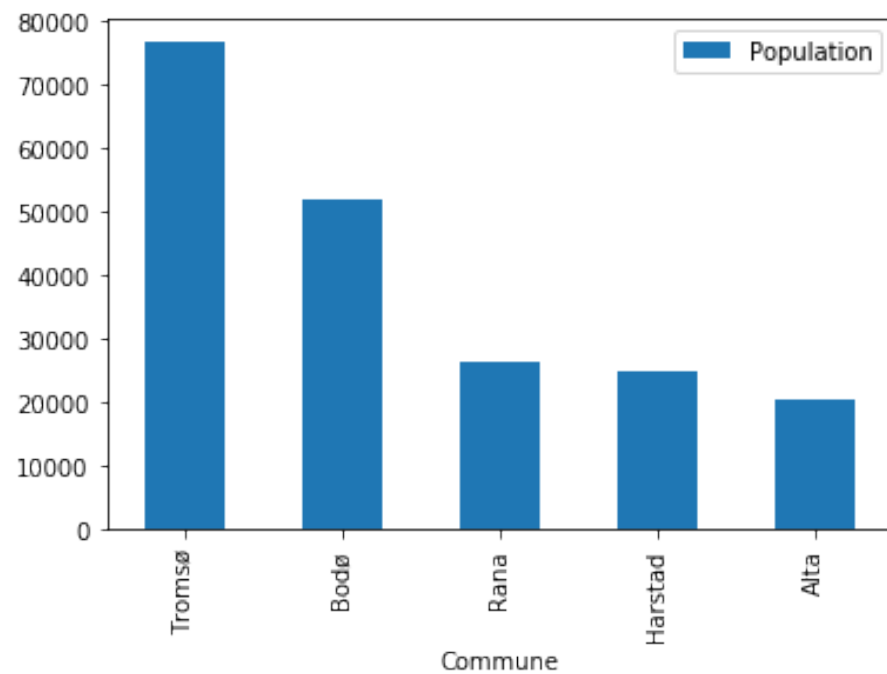
Northern Norway

Where to place a capital?

Nordland as many inhabitants

But Troms has the biggest town Tromsø!

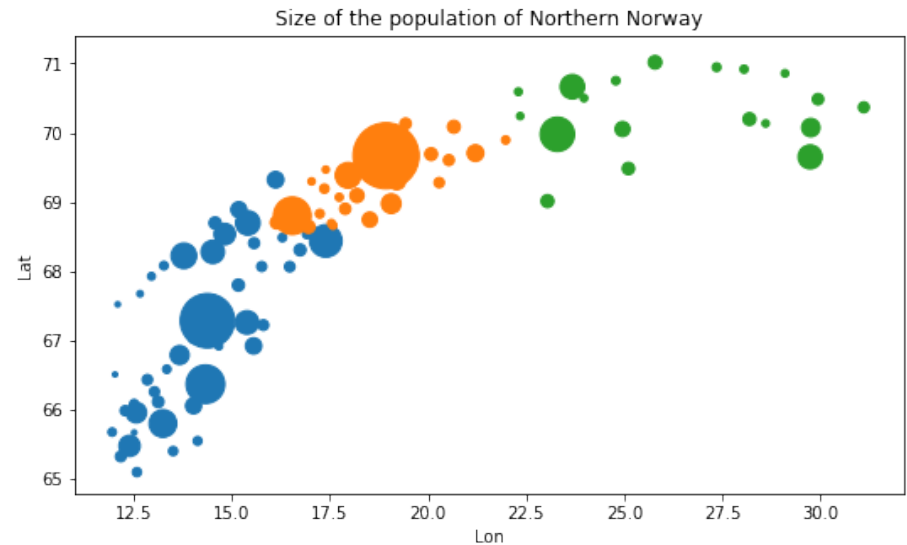
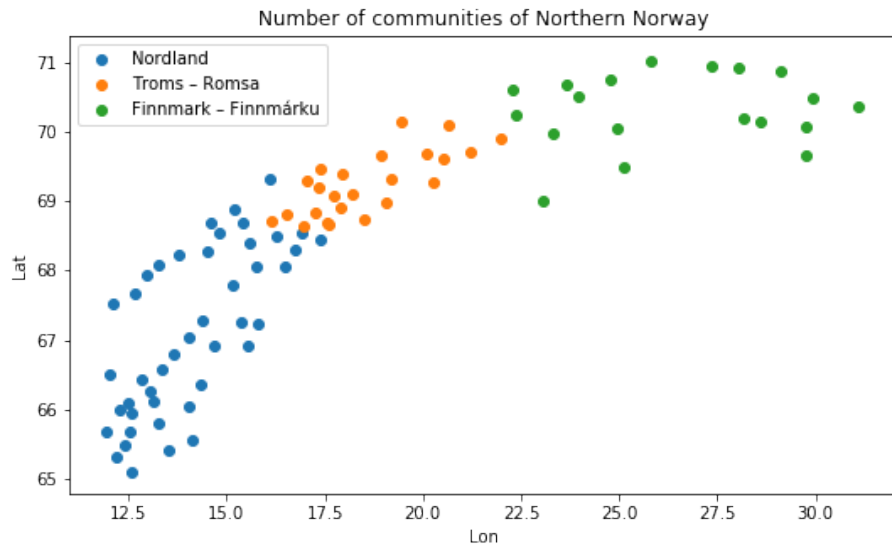




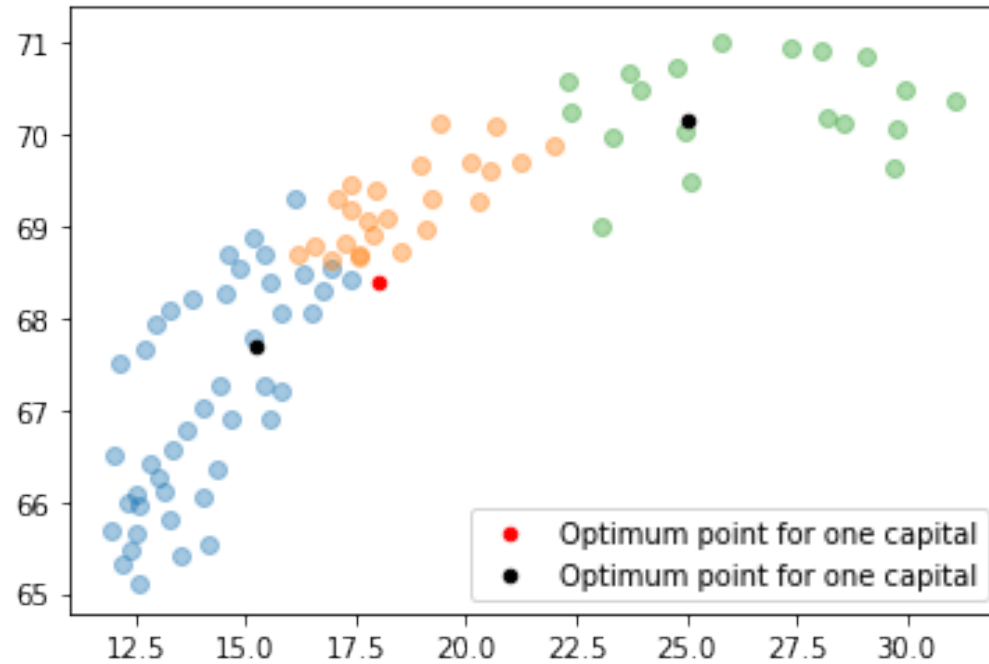
The data gathered

| | 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 | Lenvik | 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 | Hadsel | 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 |

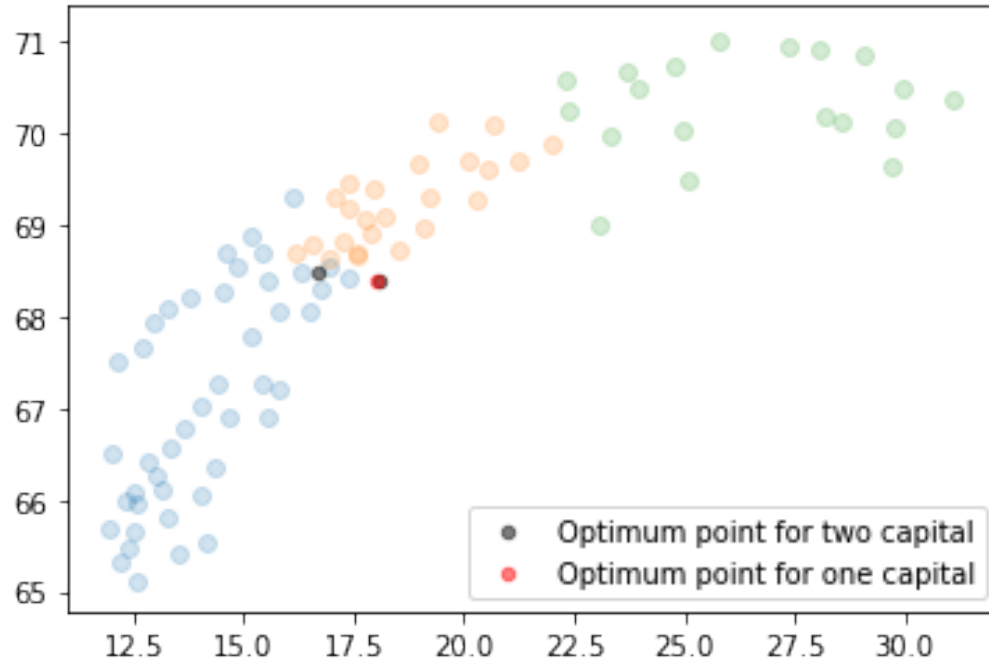
All the communities and population



The center is in the middle of noware



And it still is when we add the population as weight



Conclution

- The northern norway has few innhabitants with log distances.
- It is difficult to reorganize to one region.
- It is dificult to have one region, maybe it is best to have at least two.