Socio-Economical Analysis of Oslo's Districts

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DATA

List of boroughs of Oslo

From Wikipedia, the free encyclopedia

The 15 boroughs of Oslo were created on 1 January 2004. They each have an elected local council with limited responsibilities. [1]

Borough +	Residents ♦	Area +	Number ♦
Alna	49 801	13,7 km ²	12
Bjerke	33 422	7,7 km ²	6
Frogner	59 269	8,3 km ²	5
Gamle Oslo	58 671	7,5 km ²	-
Grond	27 707	8,2 km ²	10
Grünerløkka	62 423	4,8 km ²	2
Nordre Aker	52 327	13,6 km ²	80
Nordstrand	52 459	16,9 km ²	14
Sagene	45 089	3,1 km ²	3
St. Hanshaugen	38 945	3,6 km ²	4
Stovner	33 316	8,2 km ²	F
Søndre Nordstrand	39 066	18,4 km ²	15
Ullem	34 596	9,4 km ²	9
Vestre Aker	50 157	16,6 km ²	7
Østensjø	50 806	12,2 km ²	13

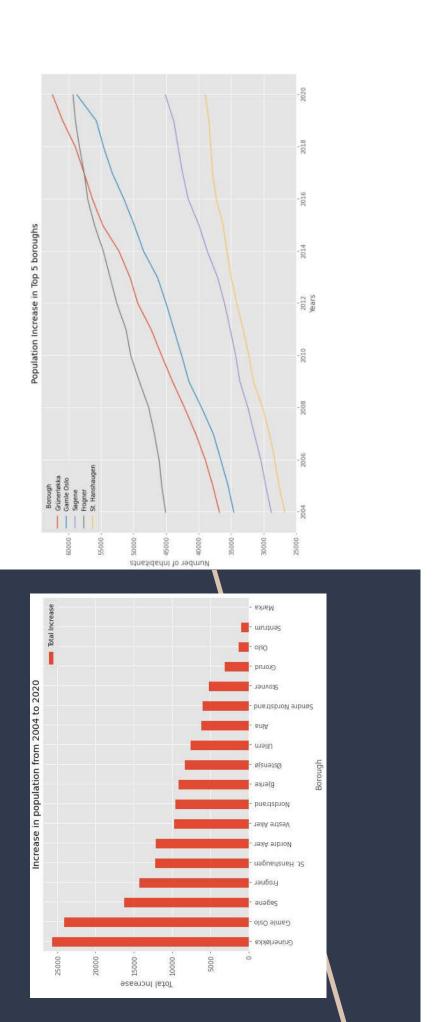
```
METHODOLOGY
```

Importing the libraries

```
y = θ
x = θ
all years = ['2804', '2805', '2006', '2007', '2808', '2009', '2019', '2011', '2012', '2013', '2014', '
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               #Loop trough all the columns and years that need to remove the locked space, define in list 'years'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    df\_tot[all\_years[x]][y] = re.sub(r'\xa\theta', '', df\_tot[all\_years[x]][y]) \\ df\_tot[all\_years[x]][y]
                                                                                                                                                                                                                                                                                                                             from bs4 import BeautifulSoup #webscrapping Library
                                                                                                                                                                                                                                                                                              import requests # Library to handle requests
                                                                                                           pd.set_option('display.max_columns', None)
                                                                                                                                        pd.set_option('display.max_rows', None)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               import folium # map rendering Library
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from sklearn.cluster import KMeans
                                                                                                                                                                                                                                                                                                                                                                                                          from pandas import json_normalize
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        #test of the dtype for values under the index [x]
result = df_tot['2004'][2] + df_tot['2004'][3]
result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 print('Libraries imported.')
                                                                                                                                                                                                                          import json as json
                                                                         import pandas as pd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Libraries imported.
In [134]: import numpy as np
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                y = 0 #reset y
while y < 18:</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           y = y + 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           X = X + 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             while x < 17:
```

'28\xa081626\xa0728'

PLOTTING



VISUALIZATION

