correlation

August 17, 2022

0.1 Modify Data

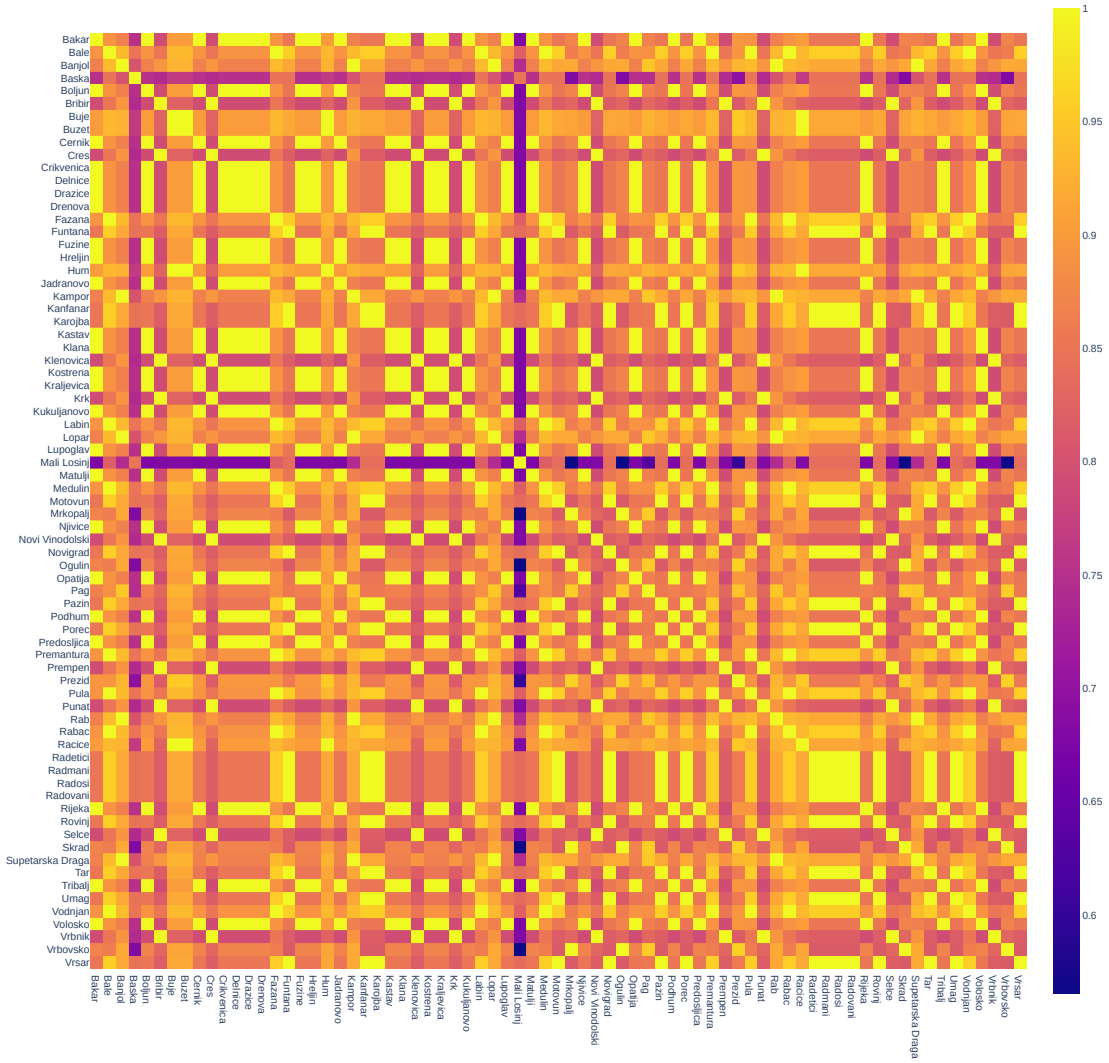
0.1.1 Create Merged .csv File with Data from All Cities

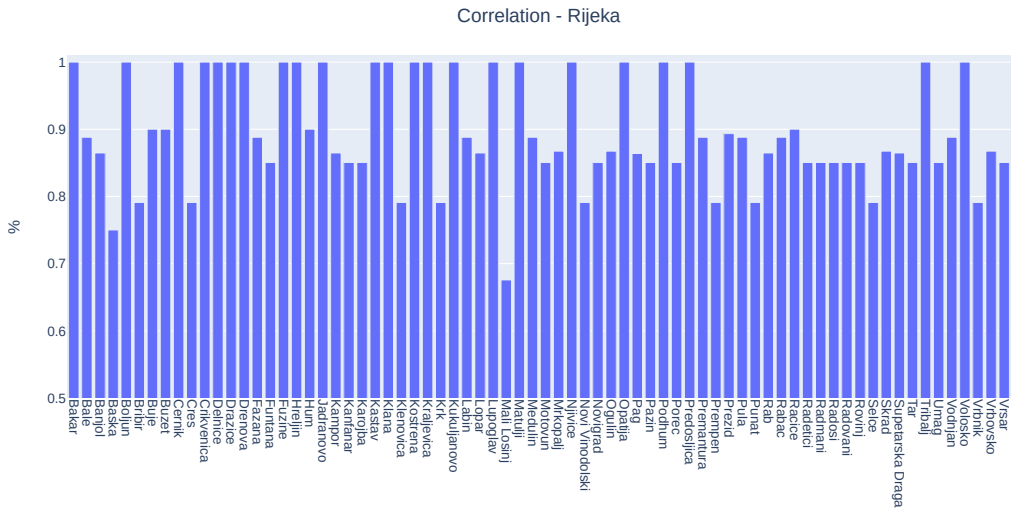
```
Data has already been processed
```

1 Correlation

```
Creating folder correlation_plots/columns-tempC-months-6_7_8_9
Correlation file does not exist.. Creating one…
```

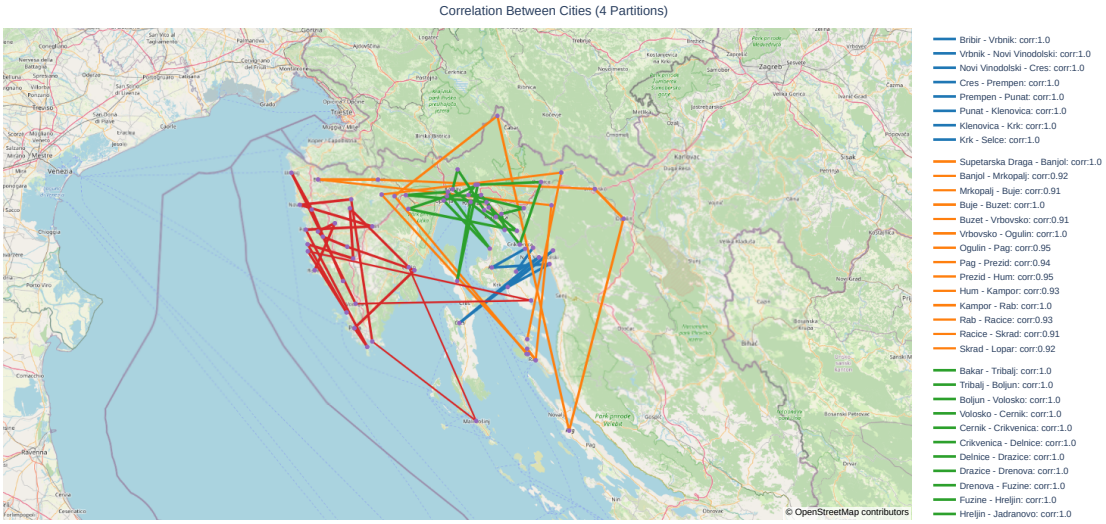
Correlation Matrix Analysis



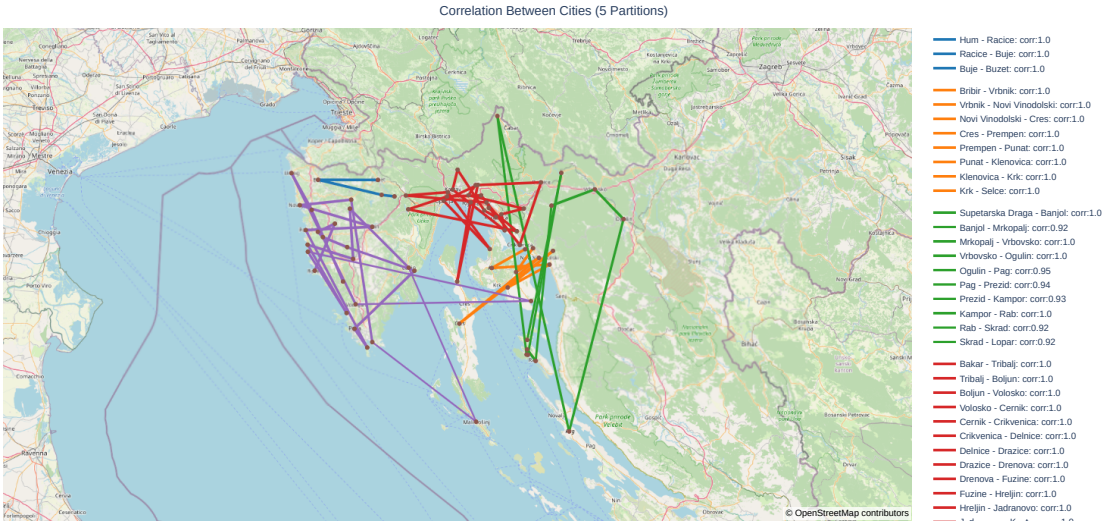


1.1 Correlation Map

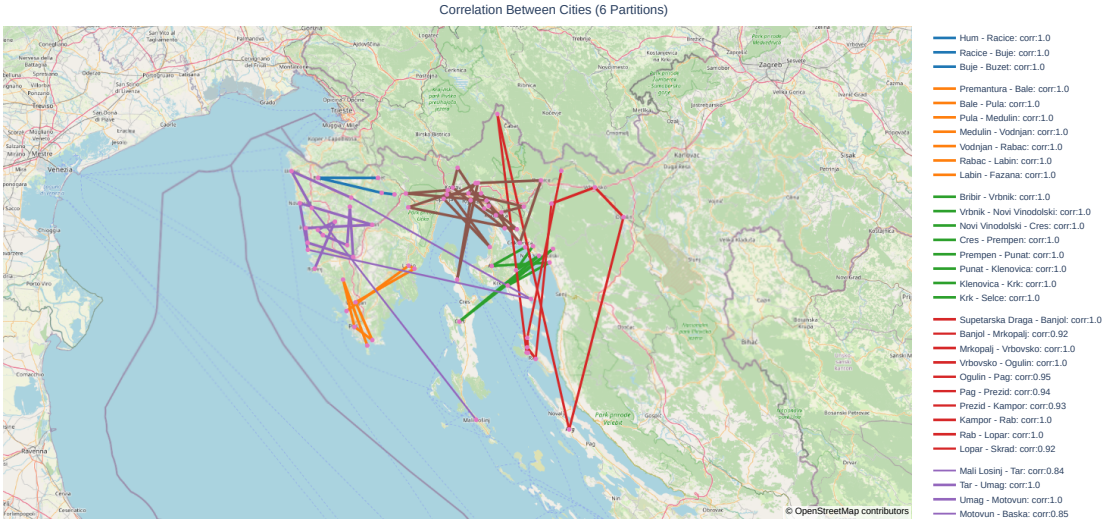
Min comumunities: 4 -- Resoluton value: 1.026999999999997



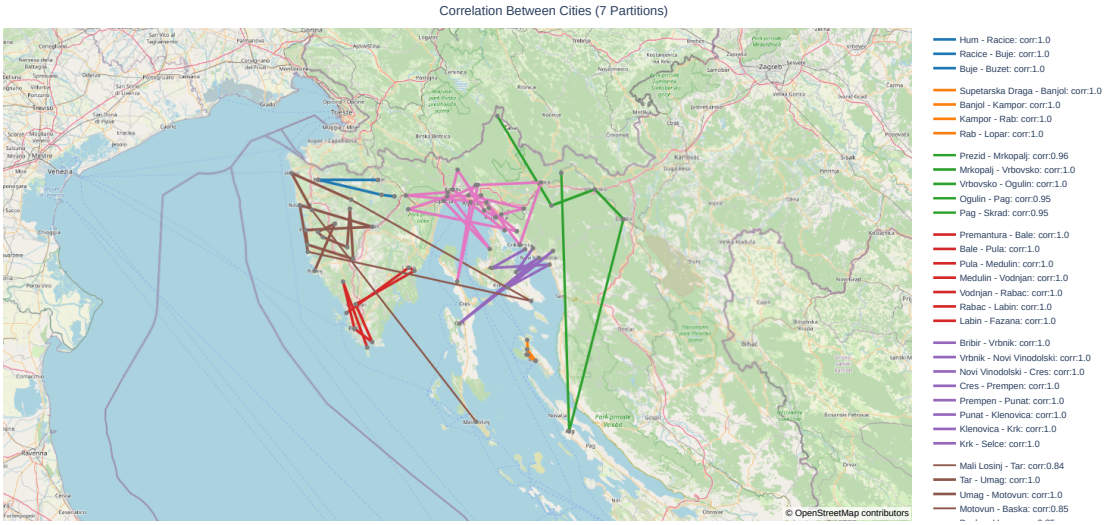
Min comumunities: 5 -- Resoluton value: 1.044999999999995



Min comumunities: 6 -- Resoluton value: 1.062999999999993



Min comumunities: 7 -- Resoluton value: 1.0669999999999926



2 Export to HTML

```
<IPython.core.display.Javascript object>
```

```
[NbConvertApp] Converting notebook correlation.ipynb to HTML
[NbConvertApp] Writing 4554218 bytes to output/columns-tempC-
months-6_7_8_9_correlation.html
[NbConvertApp] Converting notebook correlation.ipynb to pdf
/home/HDD/00-Development/016-Diplomski/venv/lib/python3.9/site-
packages/nbconvert/filters/datatypefilter.py:41: UserWarning: Your element with
mimetype(s) dict_keys(['text/html']) is not able to be represented.
  warn(
[NbConvertApp] Support files will be in columns-tempC-
months-6_7_8_9_correlation_files/
[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_9_correlation_files
[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_9_correlation_files
[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_9_correlation_files
[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_9_correlation_files
[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_9_correlation_files
[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_9_correlation_files
[NbConvertApp] Writing 70530 bytes to notebook.tex
[NbConvertApp] Building PDF
[NbConvertApp] Running xelatex 3 times: ['xelatex', 'notebook.tex', '-quiet']
[NbConvertApp] Running bibtex 1 time: ['bibtex', 'notebook']
[NbConvertApp] WARNING | bibtex had problems, most likely because there were no
citations
[NbConvertApp] PDF successfully created
[NbConvertApp] Writing 4096145 bytes to output/columns-tempC-
months-6_7_8_9_correlation.pdf
```

```
[NbConvertApp] Converting notebook correlation.ipynb to HTML
[NbConvertApp] Writing 4482429 bytes to output/columns-tempC-
months-6_7_8_9_correlation_no_code.html
```