

correlation

June 3, 2022

0.1 Modify Data

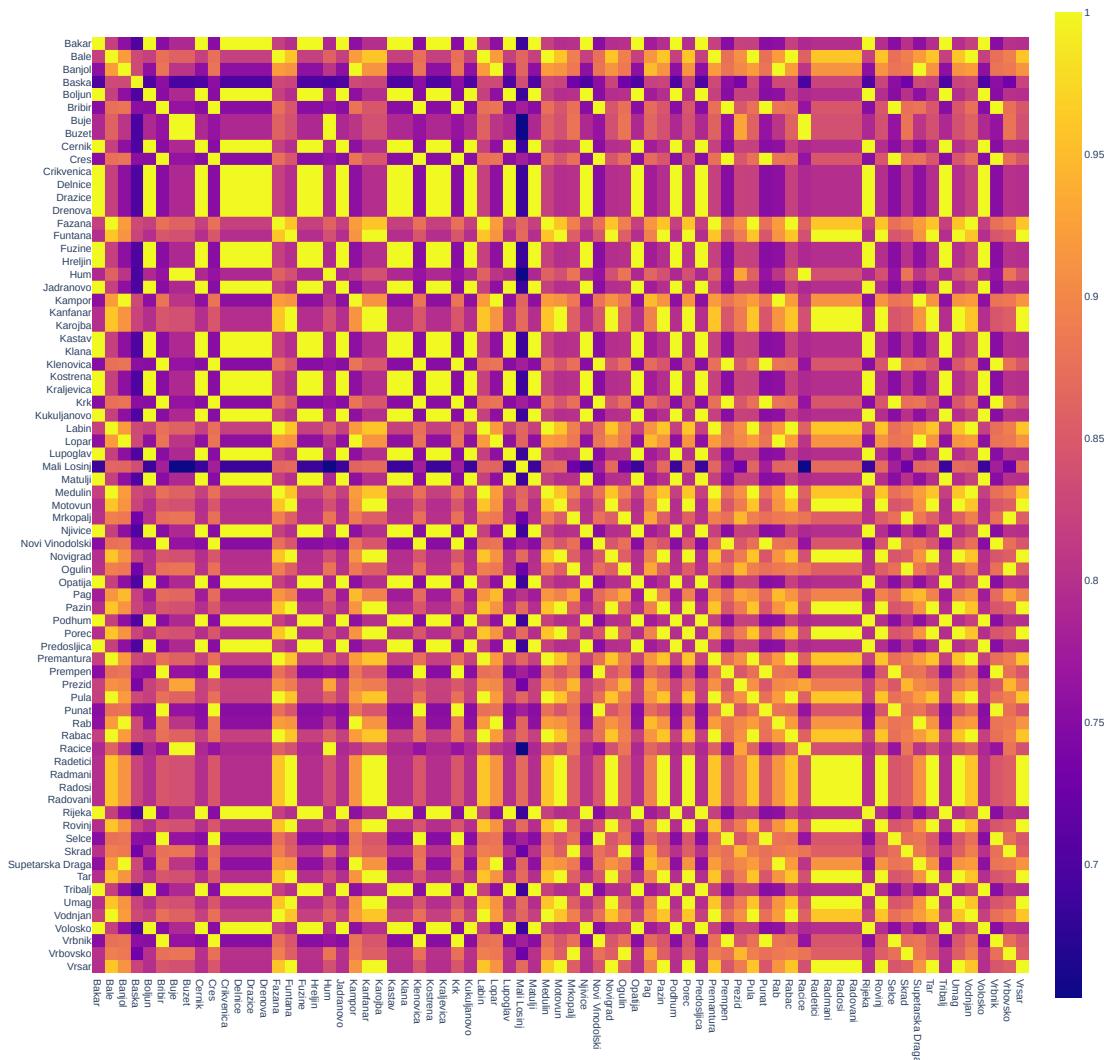
0.1.1 Create Merged .csv File with Data from All Cities

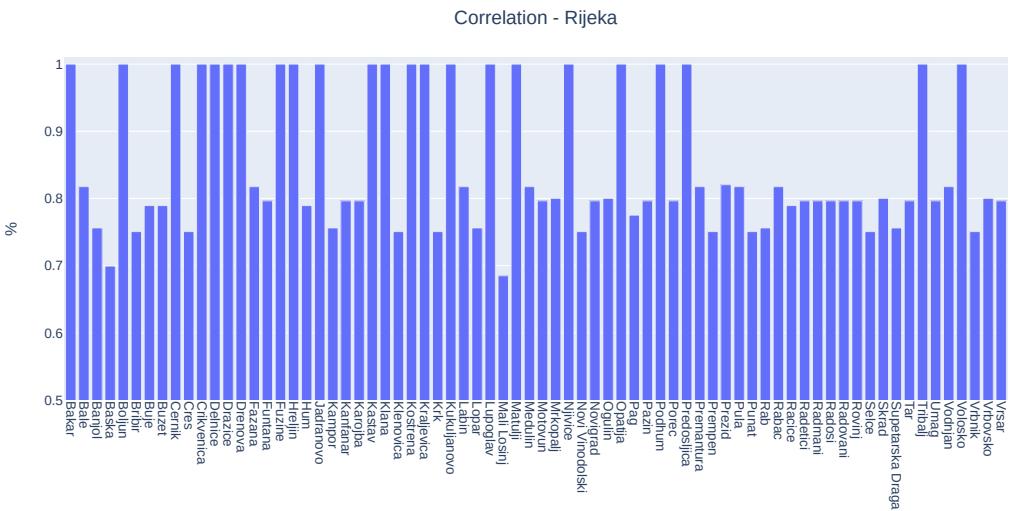
Data has already been processed

1 Correlation

Correlation file exists!

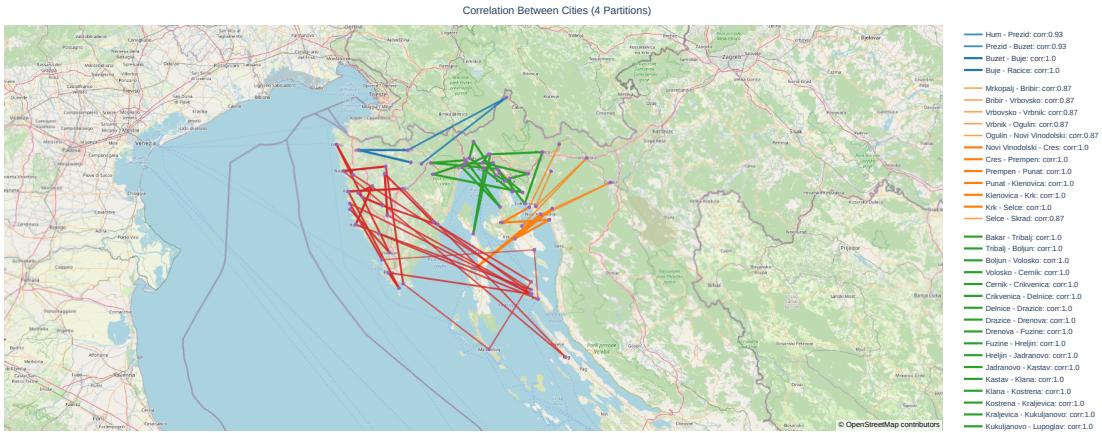
Correlation Matrix Analysis



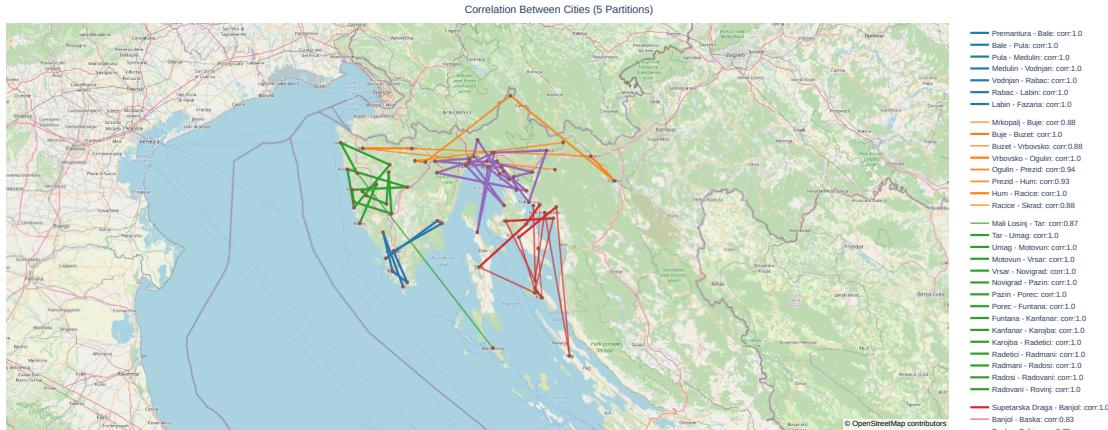


1.1 Correlation Map

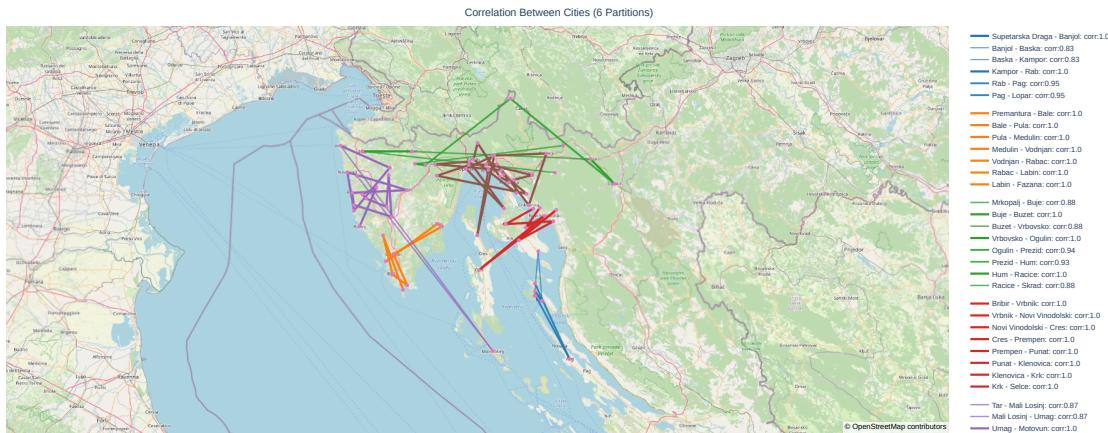
Min communities: 4 -- Iter: 206 -- Resolution value: 1.0205999999999977



Min communities: 5 -- Iter: 657 -- Resolution value: 1.0656999999999928



Min communities: 6 -- Iter: 675 -- Resolution value: 1.0674999999999926



2 Export to HTML

<IPython.core.display.Javascript object>

```
[NbConvertApp] Converting notebook correlation.ipynb to HTML  
[NbConvertApp] Writing 4538461 bytes to output/columns-tempC-months-12_1_2_3_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-12 1 2 3 correlation files/

```
[NbConvertApp] Making directory ./columns-tempC-
```

```
months-12_1_2_3_correlation_files
[NbConvertApp] Making directory ./columns-tempC-
months-12_1_2_3_correlation_files
[NbConvertApp] Writing 66389 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 4249837 bytes to output/columns-tempC-
months-12_1_2_3_correlation.pdf
[NbConvertApp] Converting notebook correlation.ipynb to HTML
[NbConvertApp] Writing 4471178 bytes to output/columns-tempC-
months-12_1_2_3_correlation_no_code.html
```