

correlation

August 27, 2022

0.1 Modify Data

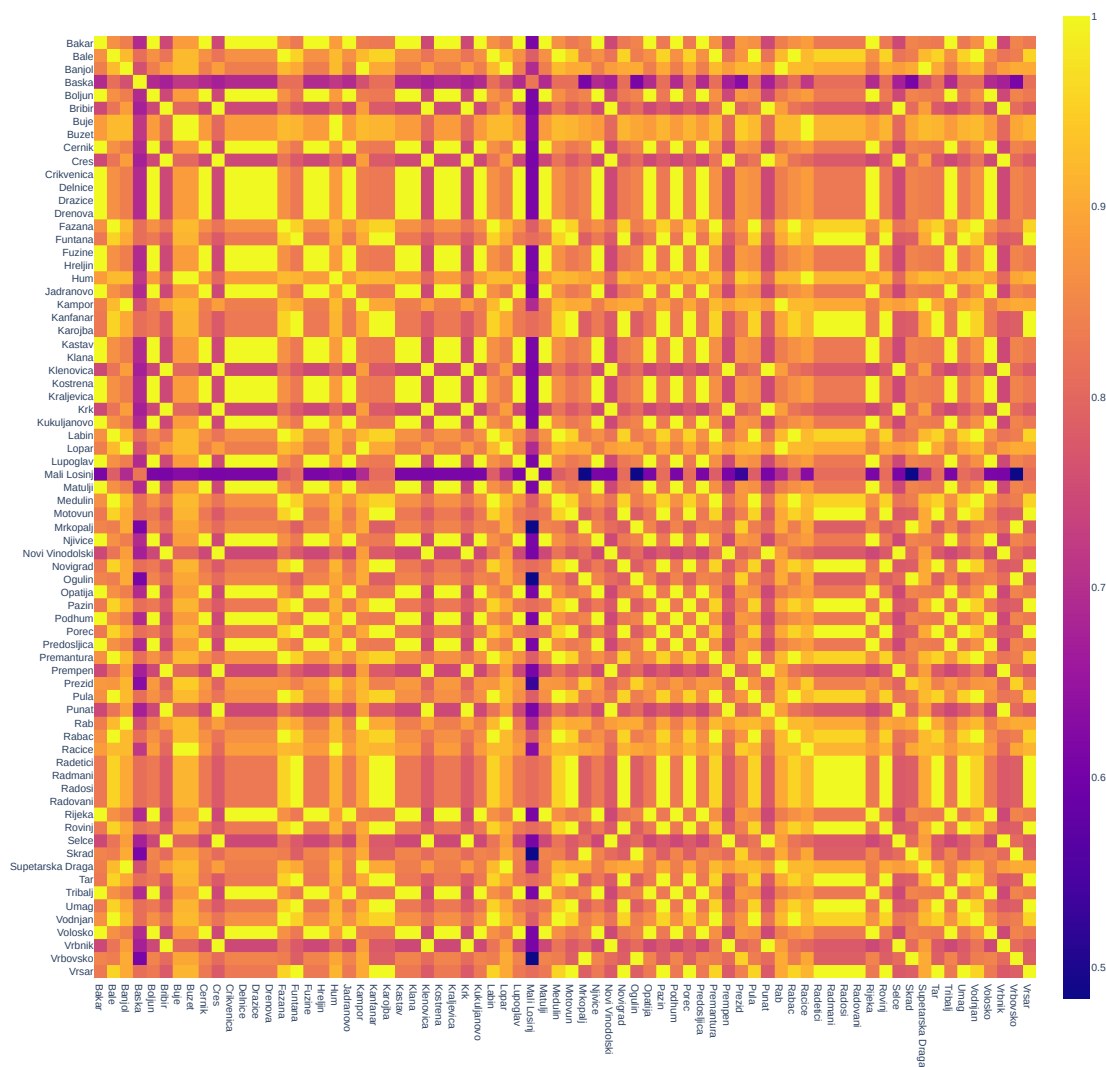
0.1.1 Create Merged .csv File with Data from All Cities

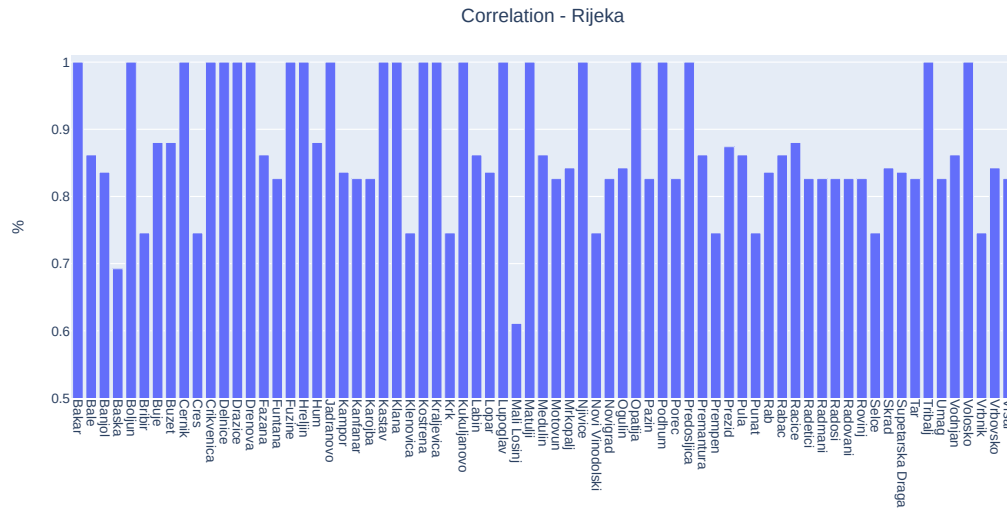
Data has already been processed

1 Correlation

Correlation file exists!

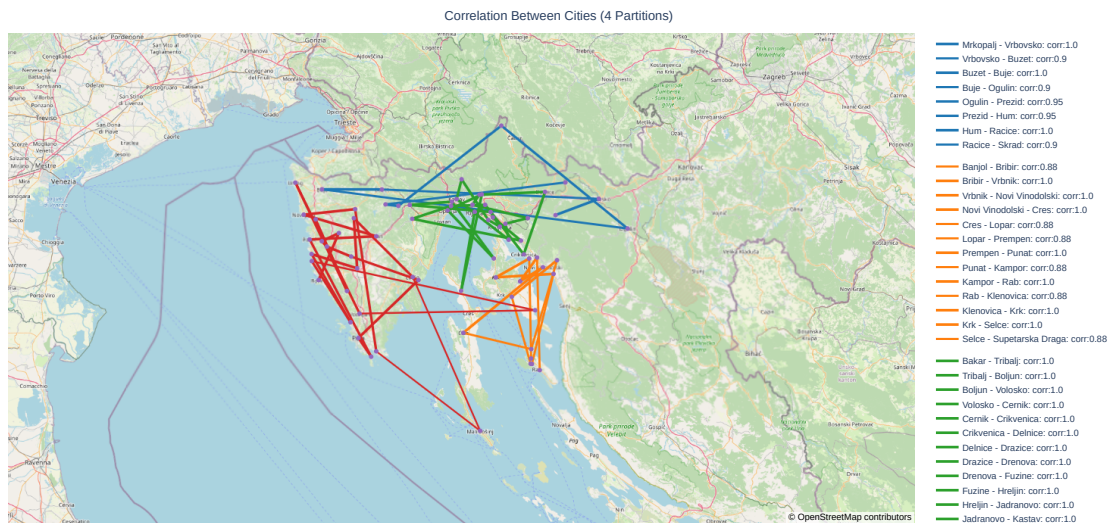
Correlation Matrix Analysis



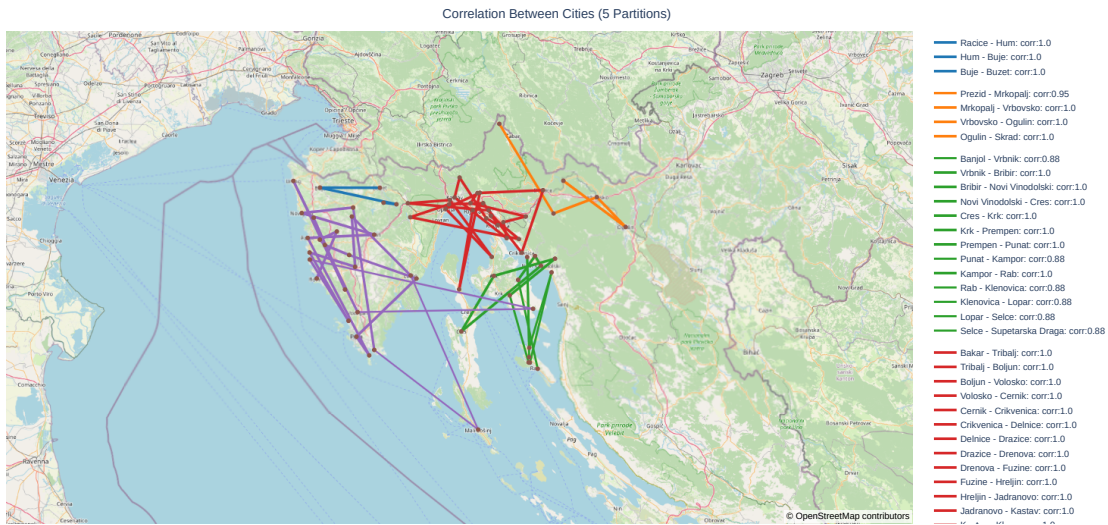


1.1 Correlation Map

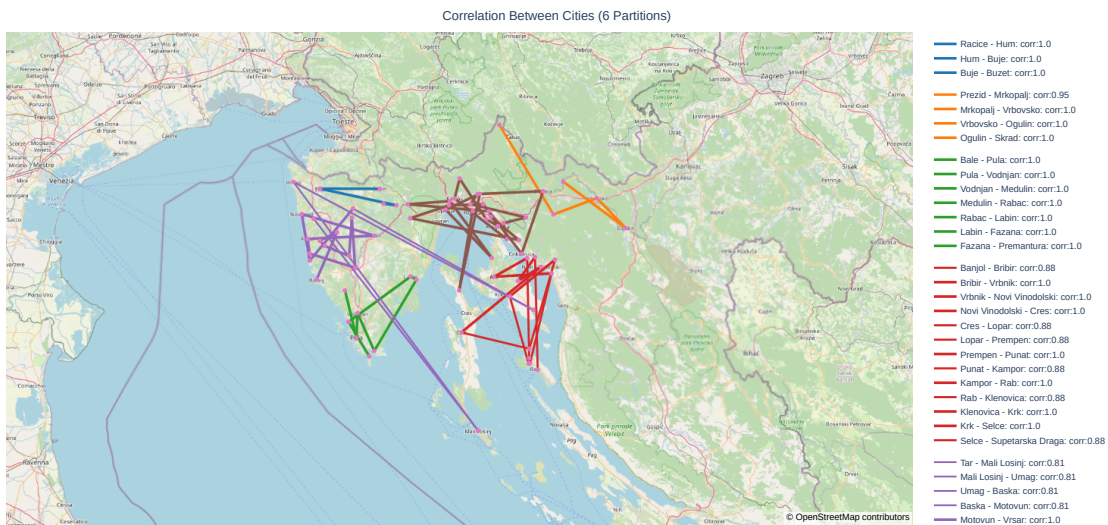
```
Min communities: 4 -- Resoluton value: 1.0319999999999965
```



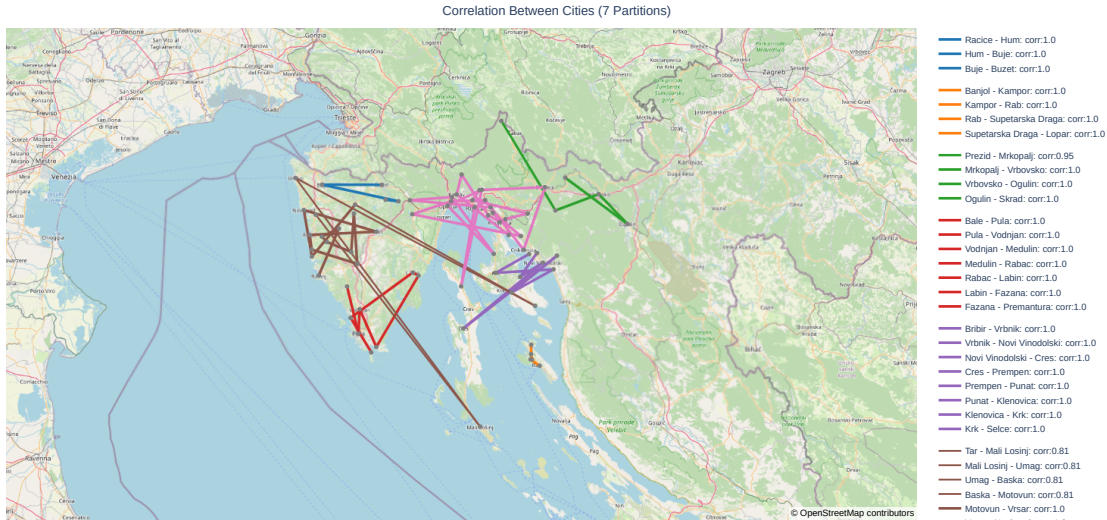
```
Min communities: 5 -- Resoluton value: 1.0689999999999924
```



Min communities: 6 -- Resoluton value: 1.0729999999999992



Min communities: 7 -- Resoluton value: 1.09199999999999899



2 Export to HTML

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

```
[NbConvertApp] Converting notebook correlation.ipynb to HTML
```

```
[NbConvertApp] Writing 4544397 bytes to output/columns-tempC-  
months-6_7_8_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_correlation_files/
```

```
[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_correlation_files
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[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_correlation_files
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[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_correlation_files
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[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_correlation_files
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[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_correlation_files
```

```
[NbConvertApp] Making directory ./columns-tempC-months-6_7_8_correlation_files
```

```
[NbConvertApp] Writing 70394 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 4115879 bytes to output/columns-tempC-  
months-6_7_8_correlation.pdf
```

```
[NbConvertApp] Converting notebook correlation.ipynb to HTML  
[NbConvertApp] Writing 4472630 bytes to output/columns-tempC-  
months-6_7_8_correlation_no_code.html
```