

# correlation

August 14, 2022

## 0.1 Modify Data

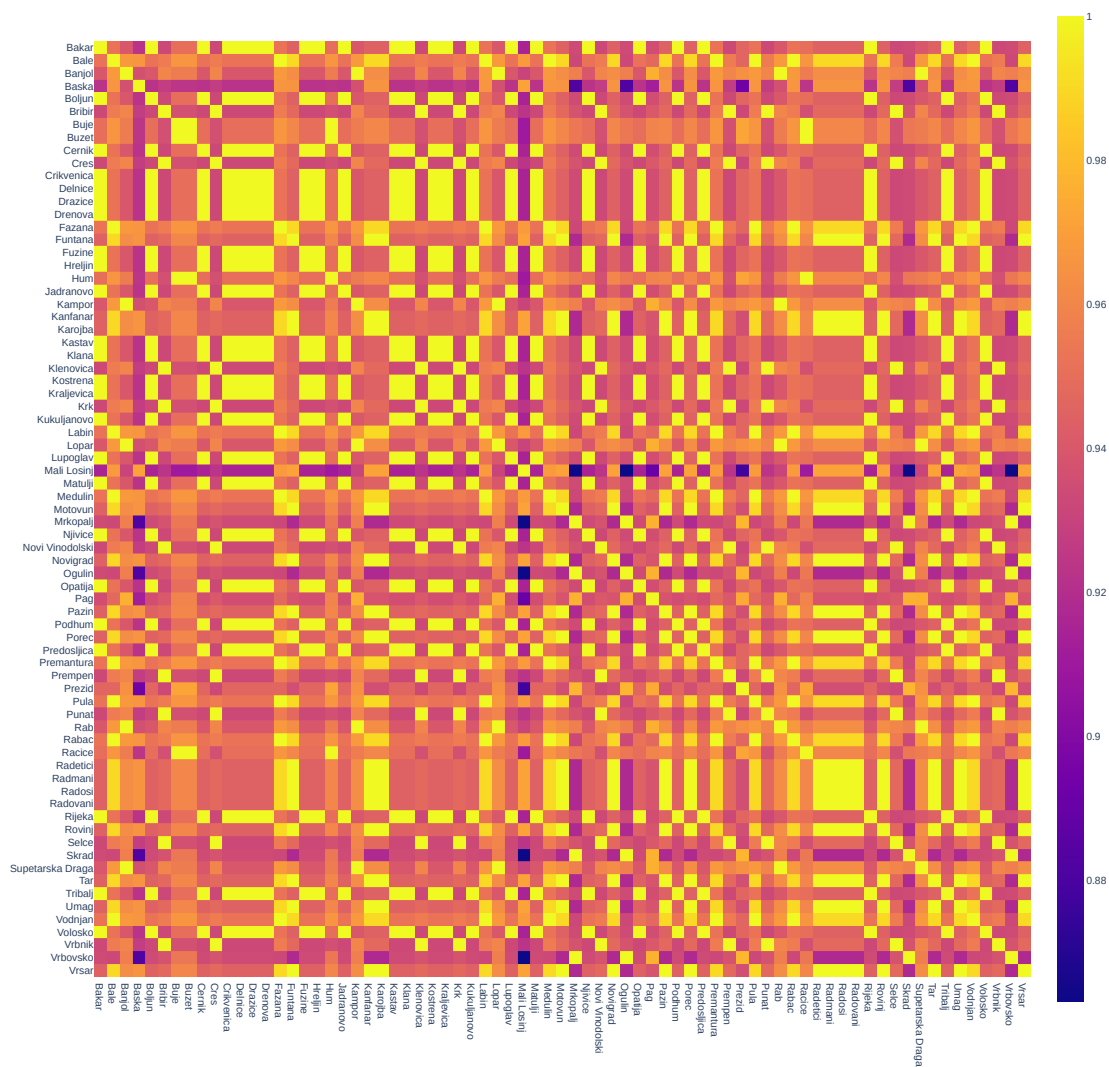
### 0.1.1 Create Merged .csv File with Data from All Cities

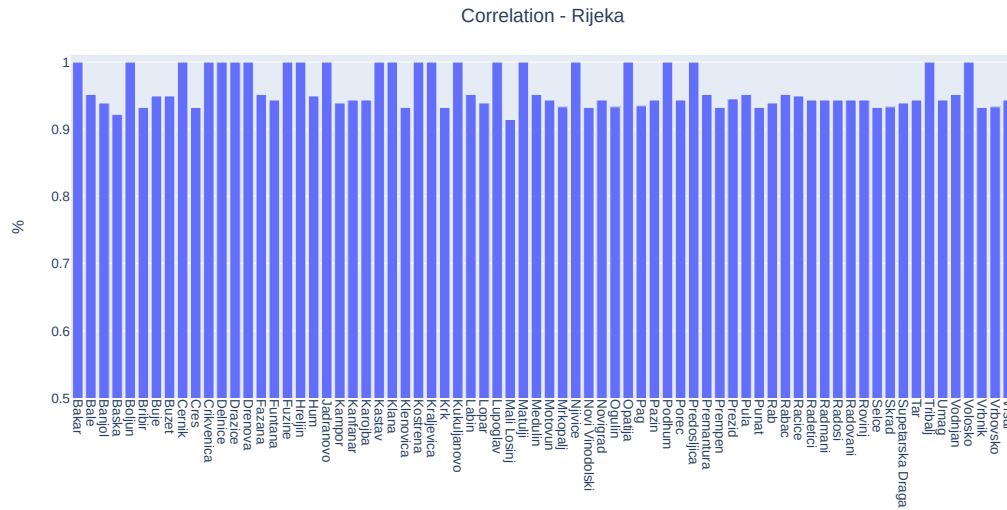
Data has already been processed

## 1 Correlation

Creating folder correlation\_plots/columns-HeatIndexC  
Correlation file does not exist.. Creating one...

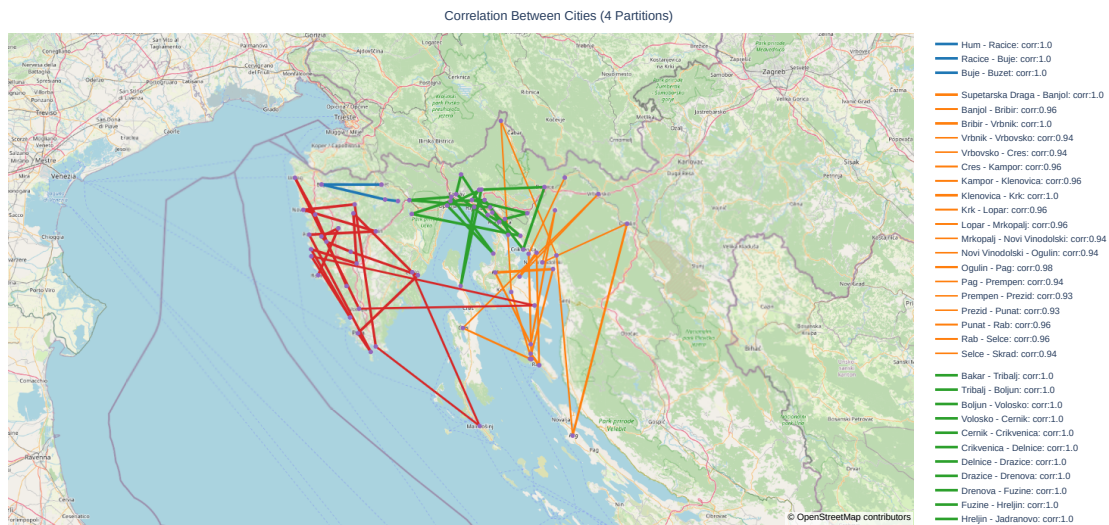
Correlation Matrix Analysis



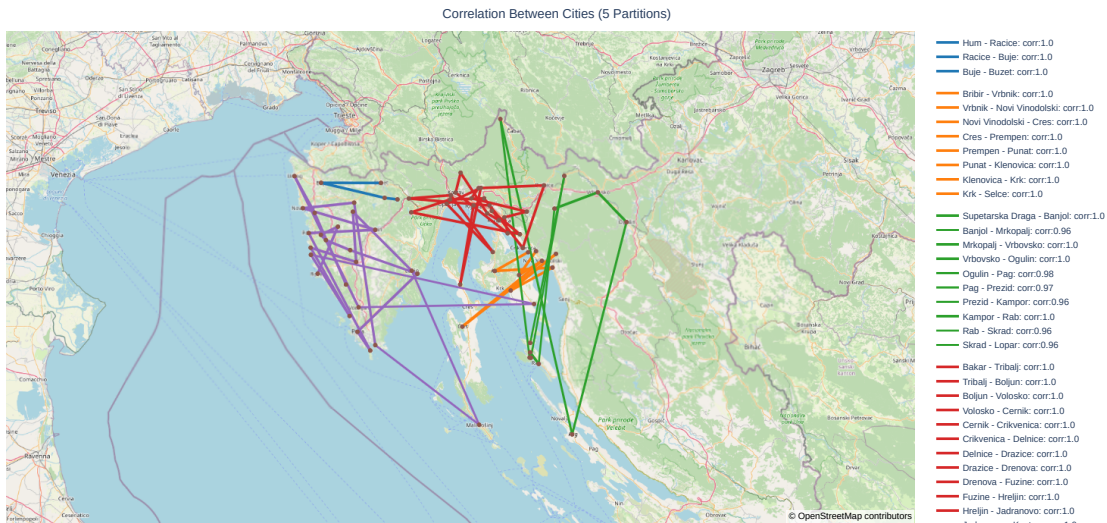


## 1.1 Correlation Map

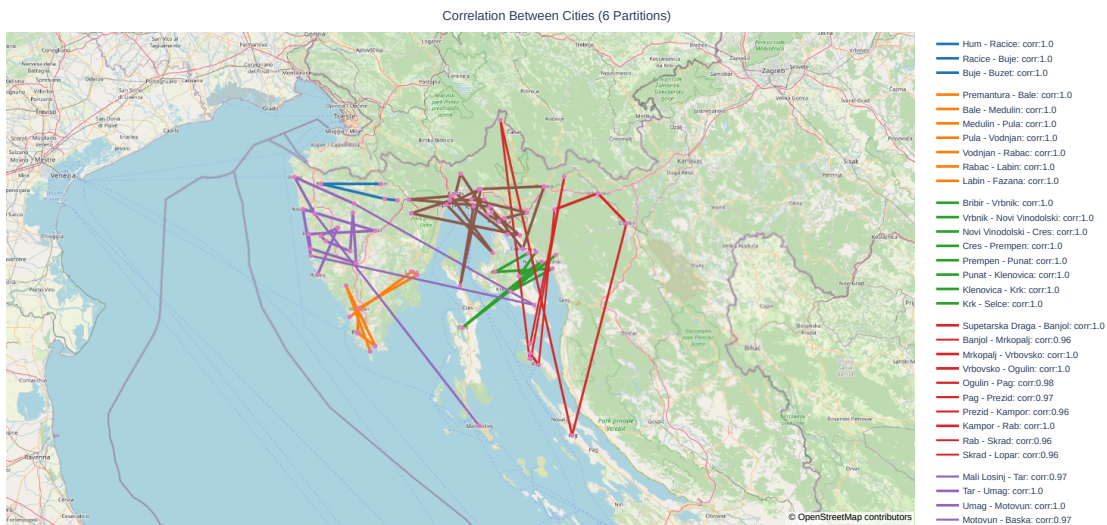
Min communities: 4 -- Resoluton value: 1.0179999999999998



Min communities: 5 -- Resoluton value: 1.0279999999999997



Min communities: 6 -- Resoluton value: 1.0359999999999996



## 2 Export to HTML

<IPython.core.display.Javascript object>

[NbConvertApp] Converting notebook correlation.ipynb to HTML

[NbConvertApp] Writing 4520610 bytes to output/columns-

HeatIndexC\_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-HeatIndexC_correlation_files/
[NbConvertApp] Making directory ./columns-HeatIndexC_correlation_files
[NbConvertApp] Making directory ./columns-HeatIndexC_correlation_files
[NbConvertApp] Making directory ./columns-HeatIndexC_correlation_files
[NbConvertApp] Making directory ./columns-HeatIndexC_correlation_files
[NbConvertApp] Making directory ./columns-HeatIndexC_correlation_files
[NbConvertApp] Writing 69998 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 3109983 bytes to output/columns-
HeatIndexC_correlation.pdf
[NbConvertApp] Converting notebook correlation.ipynb to HTML
[NbConvertApp] Writing 4448999 bytes to output/columns-
HeatIndexC_correlation_no_code.html
```