correlation

August 17, 2022

0.1 Modify Data
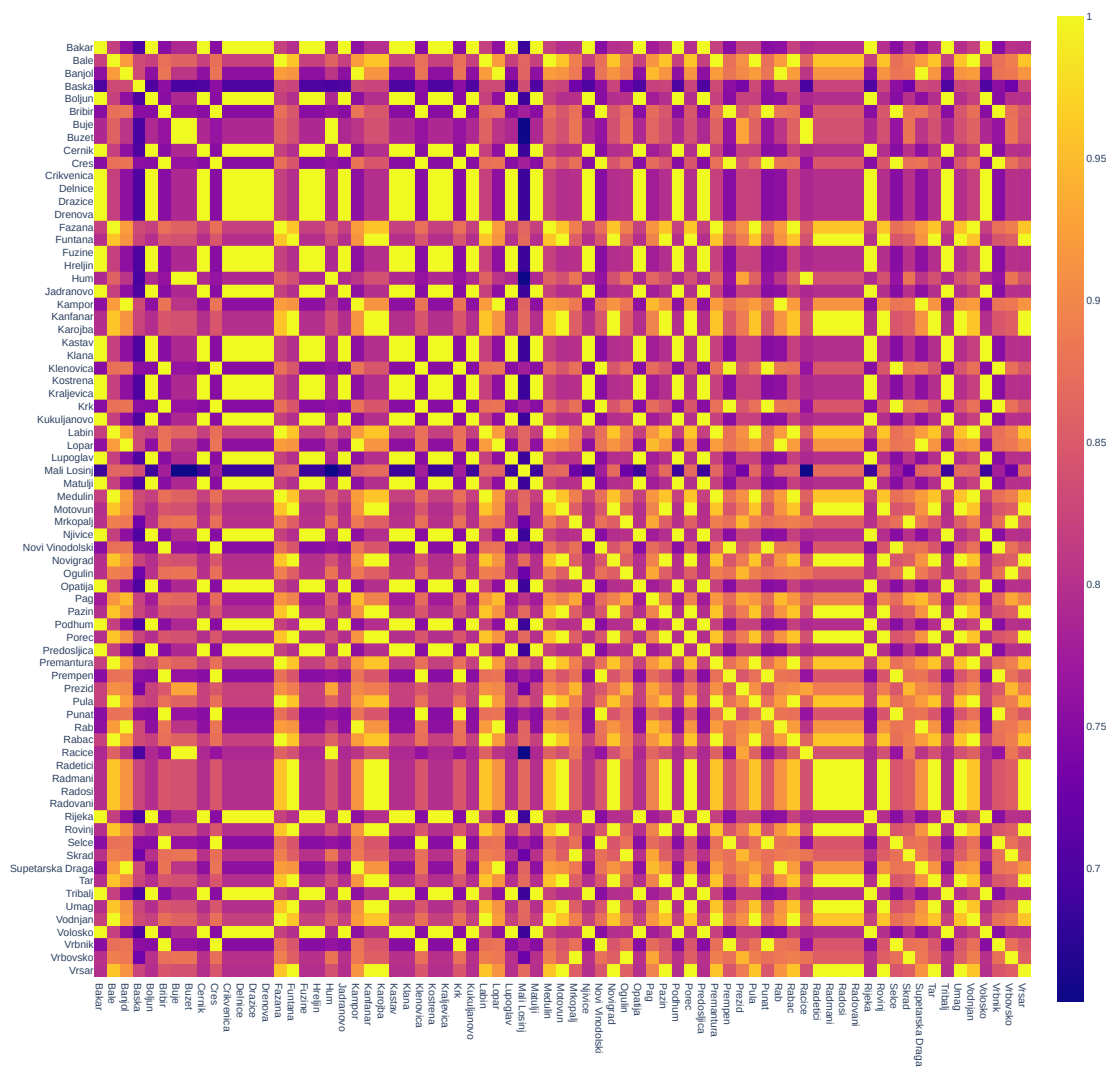
0.1.1 Create Merged .csv File with Data from All Cities
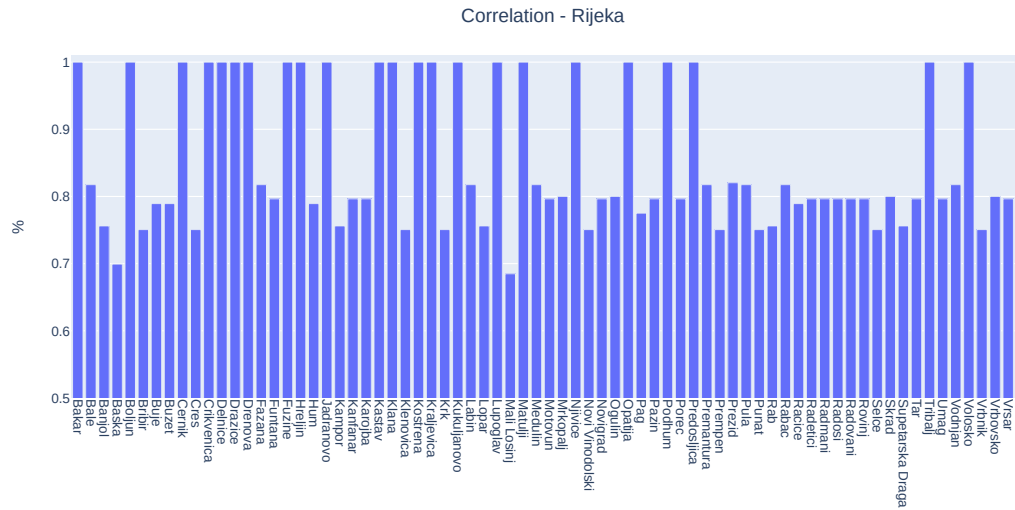
`Data has already been processed`

1 Correlation

```
Creating folder correlation_plots/columns-tempC-months-12_1_2_3
Correlation file does not exist.. Creating one…
```
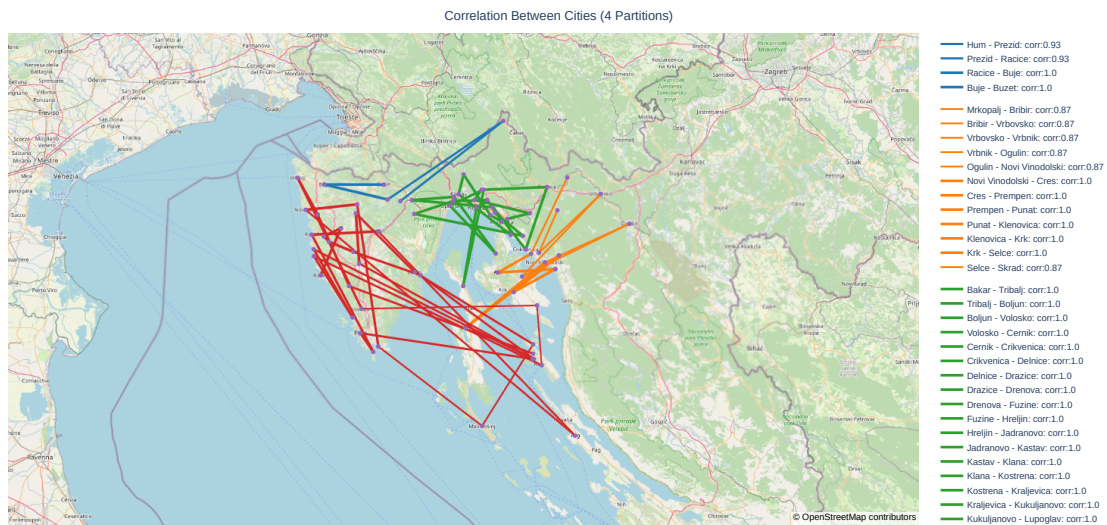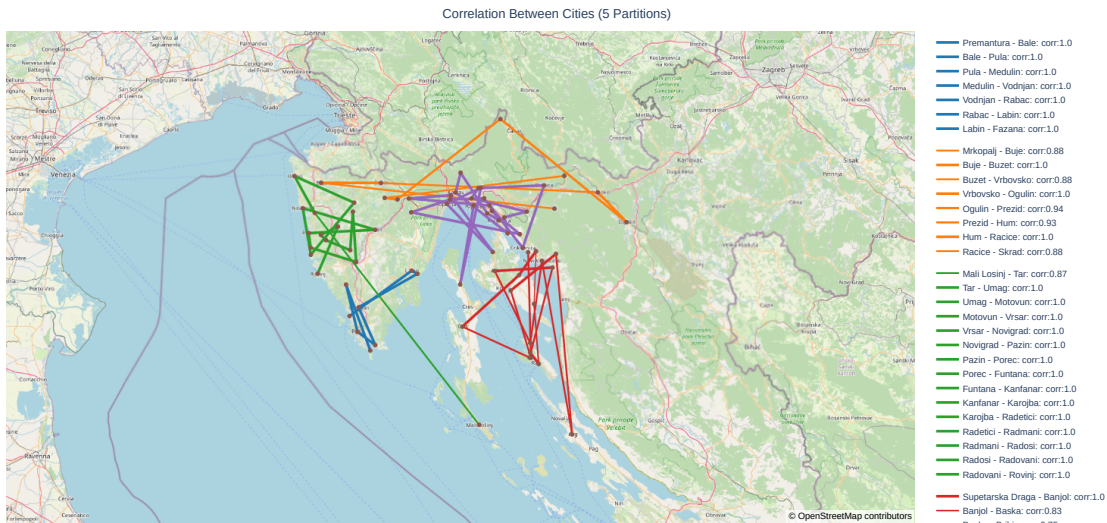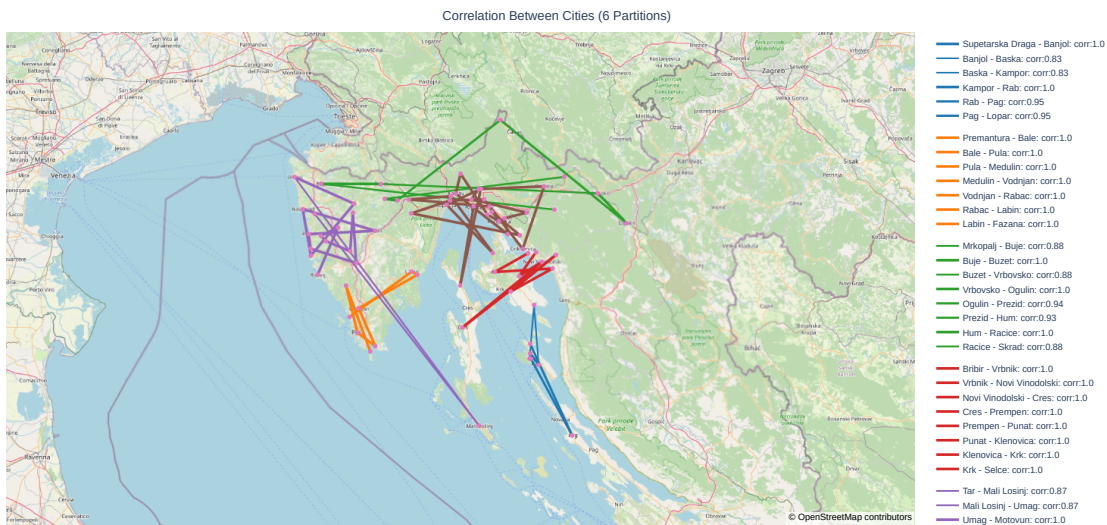
Correlation Matrix Analysis

Correlation - Rijeka

1.1 Correlation Map

Min comumunities: 4 -- Resoluton value: 1.0209999999999977

Correlation Between Cities (4 Partitions)

Hum - Prezid: corr:0.93	
Prezid - Racice: corr:0.93	
Racice - Buje: corr:1.0	
Buje - Buzet: corr:1.0	
Mrkopalj - Bribir: corr:0.87	
Bribir - Vrbovsko: corr:0.87	
Vrbovsko - Vrbnik: corr:0.87	
Vrbnik - Ogulin: corr:0.87	
Ogulin - Novi Vinodolski: corr:0.87	
Novi Vinodolski - Cres: corr:1.0	
Cres - Prempen: corr:1.0	
Prempen - Punat: corr:1.0	
Punat - Klenovica: corr:1.0	
Klenovica - Krk: corr:1.0	
Krk - Selce: corr:1.0	
Selce - Skrad: corr:0.87	
Bakar - Tribalj: corr:1.0	
Tribalj - Boljun: corr:1.0	
Boljun - Volosko: corr:1.0	
Volosko - Cernik: corr:1.0	
Cernik - Crikvenica: corr:1.0	
Crikvenica - Delnice: corr:1.0	
Delnice - Drazice: corr:1.0	
Drazice - Drenova: corr:1.0	
Drenova - Fuzine: corr:1.0	
Fuzine - Hreljin: corr:1.0	
Hreljin - Jadranovo: corr:1.0	
Jadranovo - Kastav: corr:1.0	
Kastav - Klana: corr:1.0	
Klana - Kostrena: corr:1.0	
Kostrena - Kraljevica: corr:1.0	
Kraljevica - Kukuljanovo: corr:1.0	
Kukuljanovo - Lupoglav: corr:1.0	

Min comumunities: 5 -- Resoluton value: 1.0659999999999927

Correlation Between Cities (5 Partitions)

Min comumunities: 6 -- Resoluton value: 1.0679999999999925

Correlation Between Cities (6 Partitions)

2 Export to HTML

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

```
[NbConvertApp] Converting notebook correlation.ipynb to HTML
[NbConvertApp] Writing 4535381 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] Making directory ./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 70209 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 3113331 bytes to output/columns-tempC-
months-12_1_2_3_correlation.pdf
[NbConvertApp] Converting notebook correlation.ipynb to HTML
[NbConvertApp] Writing 4463645 bytes to output/columns-tempC-
months-12_1_2_3_correlation_no_code.html
```