correlation

August 26, 2022

0.1 Modify Data

0.1.1 Create Merged .csv File with Data from All Cities

```
Creating data file
/tmp/ipykernel_27122/1112591971.py:18: FutureWarning:

The default value of regex will change from True to False in a future version.

/tmp/ipykernel_27122/1112591971.py:19: FutureWarning:

The default value of regex will change from True to False in a future version.

/tmp/ipykernel_27122/1112591971.py:21: FutureWarning:

The default value of regex will change from True to False in a future version.

/tmp/ipykernel_27122/1112591971.py:22: FutureWarning:

The default value of regex will change from True to False in a future version.


Data processed successfully
```
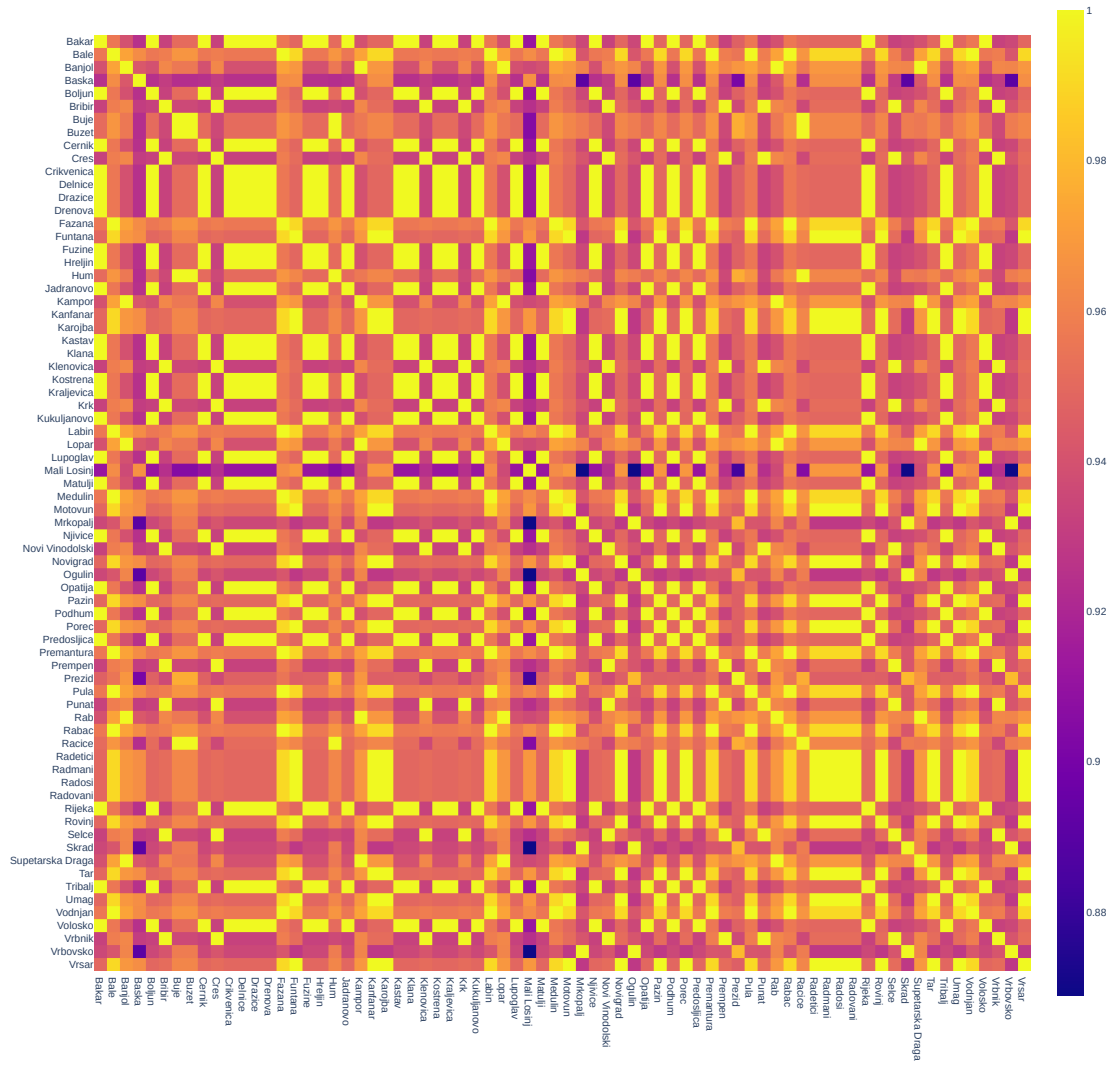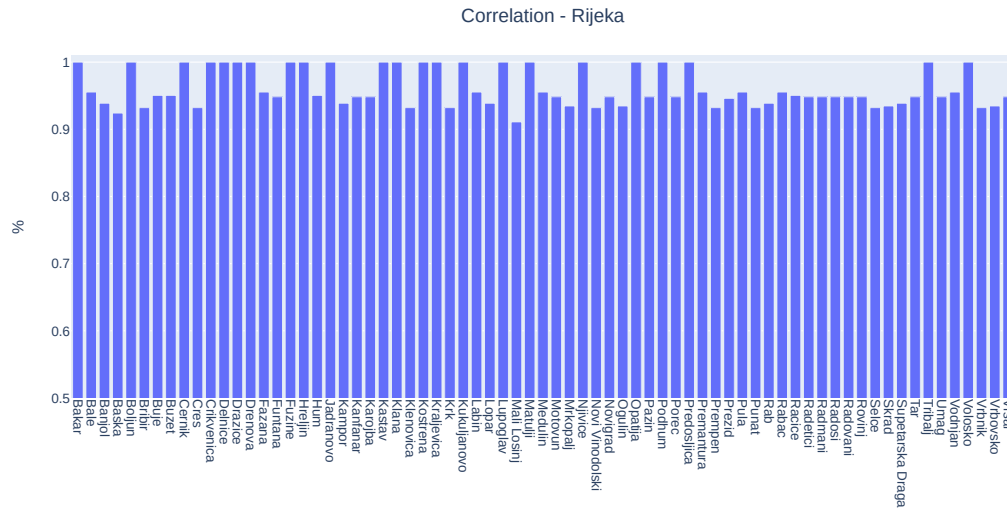
1 Correlation

```
Correlation file does not exist.. Creating one…
```
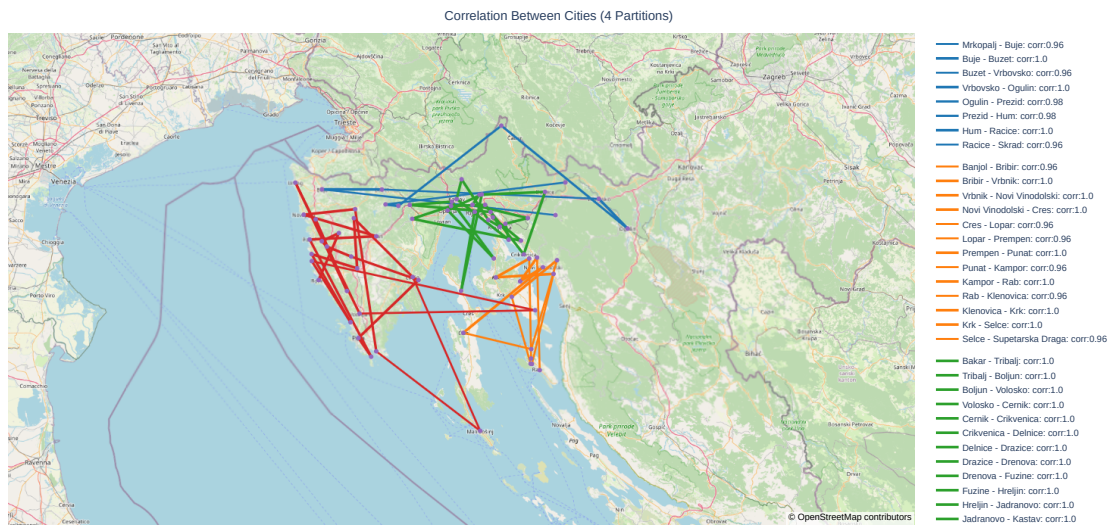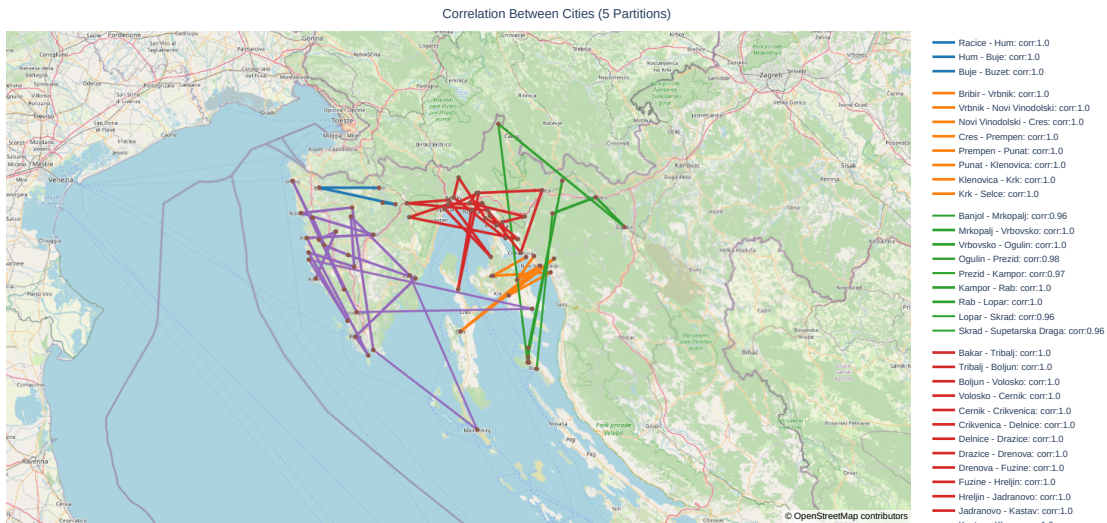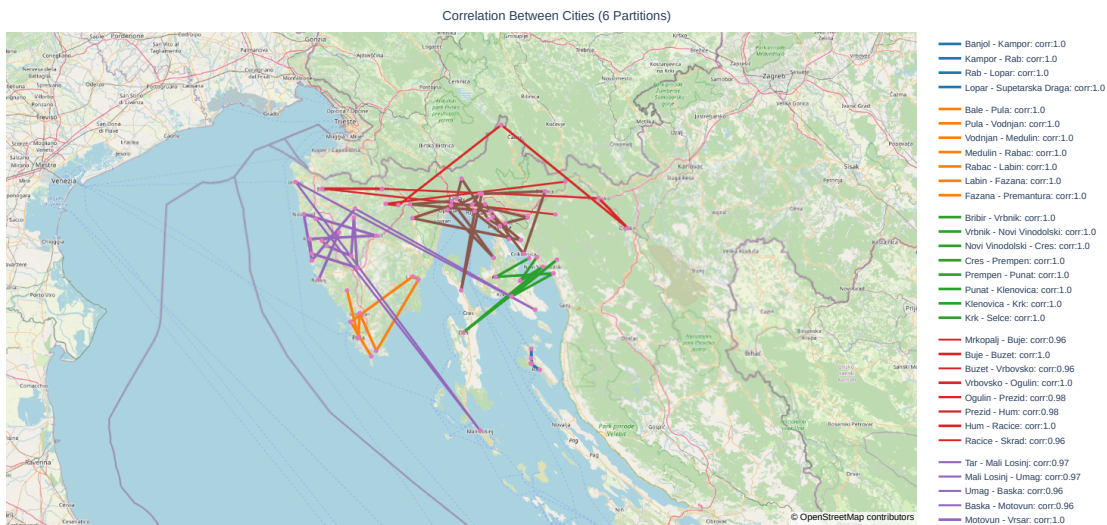
Correlation Matrix Analysis

Correlation - Rijeka

1.1 Correlation Map

Min comumunities: 4 -- Resoluton value: 1.018999999999998

Correlation Between Cities (4 Partitions)

Min comumunities: 5 -- Resoluton value: 1.0289999999999968

Correlation Between Cities (5 Partitions)

Racice - Hum: corr:1.0	
Hum - Buje: corr:1.0	
Buje - Buzet: corr:1.0	
Bribir - Vrbnik: corr:1.0	
Vrbnik - Novi Vinodolski: corr:1.0	
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	
Banjol - Mrkopalj: corr:0.96	
Mrkopalj - Vrbovsko: corr:1.0	
Vrbovsko - Ogulin: corr:1.0	
Ogulin - Prezid: corr:0.98	
Prezid - Kampor: corr:0.97	
Kampor - Rab: corr:1.0	
Rab - Lopar: corr:1.0	
Lopar - Skrad: corr:0.96	
Skrad - Supetarska Draga: corr:0.96	
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	

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Min comumunities: 6 -- Resoluton value: 1.0309999999999966

Correlation Between Cities (6 Partitions)

Banjol - Kampor: corr:1.0	
Kampor - Rab: corr:1.0	
Rab - Lopar: corr:1.0	
Lopar - Supetarska Draga: corr:1.0	
Bale - Pula: corr:1.0	
Pula - Vodnjan: corr:1.0	
Vodnjan - Medulin: corr:1.0	
Medulin - Rabac: corr:1.0	
Rabac - Labin: corr:1.0	
Labin - Fazana: corr:1.0	
Fazana - Premantura: corr:1.0	
Bribir - Vrbnik: corr:1.0	
Vrbnik - Novi Vinodolski: corr:1.0	
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	
Mrkopalj - Buje: corr:0.96	
Buje - Buzet: corr:1.0	
Buzet - Vrbovsko: corr:0.96	
Vrbovsko - Ogulin: corr:1.0	
Ogulin - Prezid: corr:0.98	
Prezid - Hum: corr:0.98	
Hum - Racice: corr:1.0	
Racice - Skrad: corr:0.96	
Tar - Mali Losinj: corr:0.97	
Mali Losinj - Umag: corr:0.97	
Umag - Baska: corr:0.96	
Baska - Motovun: corr:0.96	
Motovun - Vrsar: corr:1.0	

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2 Export to HTML

<IPython.core.display.Javascript object>

[NbConvertApp] Converting notebook correlation.ipynb to HTML
[NbConvertApp] Writing 4533104 bytes to output/columns-tempC_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_correlation_files/
[NbConvertApp] Making directory ./columns-tempC_correlation_files
[NbConvertApp] Making directory ./columns-tempC_correlation_files
[NbConvertApp] Making directory ./columns-tempC_correlation_files
[NbConvertApp] Making directory ./columns-tempC_correlation_files
[NbConvertApp] Making directory ./columns-tempC_correlation_files
[NbConvertApp] Writing 70546 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 3122073 bytes to output/columns-tempC_correlation.pdf
[NbConvertApp] Converting notebook correlation.ipynb to HTML
[NbConvertApp] Writing 4461344 bytes to output/columns-
tempC_correlation_no_code.html
```