

Citizen science for traffic monitoring: Investigating the potentials  
for complementing traffic counters with crowdsourced data  
Description of the best regression models

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## Dunajska (from centre)

### Summary

- Model: krr
- Features: basic, 0656-1, 0655-2

### Model parameters

- $\alpha = 0.001$
- $\text{coef0} = 1$
- $\text{degree} = 3$
- $\gamma = 0.001$
- $\text{kernel} = \text{chi2}$

## Dunajska (to centre)

### Summary

- Model: krr
- Features: basic, 0656-2, 0655-1

### Model parameters

- $\alpha = 0.001$
- $\text{coef0} = 1$
- $\text{degree} = 3$
- $\gamma = 0.001$
- $\text{kernel} = \text{chi2}$

## Ižanska (from centre)

### Summary

- Model: krr
- Features: basic, 0820-1, 1506-1

### Model parameters

- $\alpha = 0.0001$
- $\text{coef0} = 1$
- $\text{degree} = 3$
- $\gamma = 0.001$
- $\text{kernel} = \text{chi2}$

### Ižanska (to centre)

#### Summary

- Model: krr
- Features: basic, 0820-2, 1506-2

### Model parameters

- $\alpha = 1\text{e-}05$
- $\text{coef0} = 1$
- $\text{degree} = 3$
- $\gamma = 0.001$
- $\text{kernel} = \text{chi2}$

### Slovenska (from centre)

#### Summary

- Model: krr
- Features: basic, 0619-1

### Model parameters

- $\alpha = 1.0$
- $\text{coef0} = 1$
- $\text{degree} = 3$
- $\gamma = 0.1$
- $\text{kernel} = \text{chi2}$

## Slovenska (to centre)

### Summary

- Model: krr
- Features: basic, 0619-2

### Model parameters

- $\alpha = 0.0001$
- $\text{coef0} = 1$
- $\text{degree} = 3$
- $\gamma = 0.01$
- $\text{kernel} = \text{chi2}$

## Škofije (towards Koper)

### Summary

- Model: gbr
- Features: basic, 1092-1

### Model parameters

- $\alpha = 0.9$
- $\text{ccp\_alpha} = 0.0$
- $\text{criterion} = \text{friedman\_mse}$
- $\text{learning\_rate} = 0.1$
- $\text{loss} = \text{squared\_error}$
- $\text{max\_depth} = 3$
- $\text{min\_impurity\_decrease} = 0.0$
- $\text{min\_samples\_leaf} = 1$
- $\text{min\_samples\_split} = 2$
- $\text{min\_weight\_fraction\_leaf} = 0.0$
- $\text{n\_estimators} = 100$

- subsample = 1.0
- tol = 0.0001
- validation\_fraction = 0.1
- verbose = 0
- warm\_start = False

## Škofije (towards Trieste)

### Summary

- Model: krr
- Features: basic, 1092-2

### Model parameters

- alpha = 0.0001
- coef0 = 1
- degree = 3
- gamma = 0.01
- kernel = chi2