

# Traffic Prediction – Selected Results

## 1 Clustering of flow data

The figure shows the results of k-means clustering applied to daily flow profiles for sensor E4S 58 140. Three clusters were selected based on the elbow method (Appendix G).

Cluster 1 reveals unusually high midday traffic, which may correspond to holidays or special events. Cluster 2 displays a more gradual increase and decrease in flow, typical for regular weekdays. Cluster 3 represents consistently high flow levels sustained from morning to afternoon, likely indicating busy workdays (e.g., Fridays).

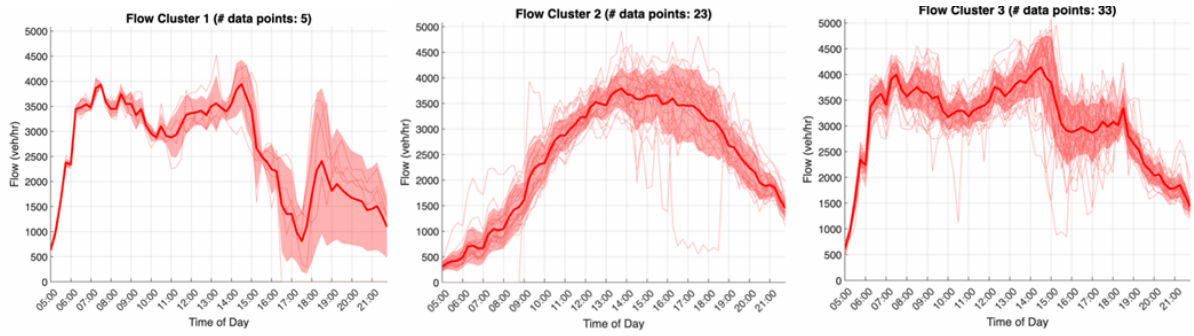


Figure 1: K-means clustering of daily flow profiles for sensor E4S 58 140 (k=3).