

Application for Traffic Event Analysis in the City of Most

Author: Bc. Miroslav Štěpánek

Consultant: Ing. Kamil Novák

Supervisor: Ing. Jiří Hynek Ph.D.

Data Processing Script

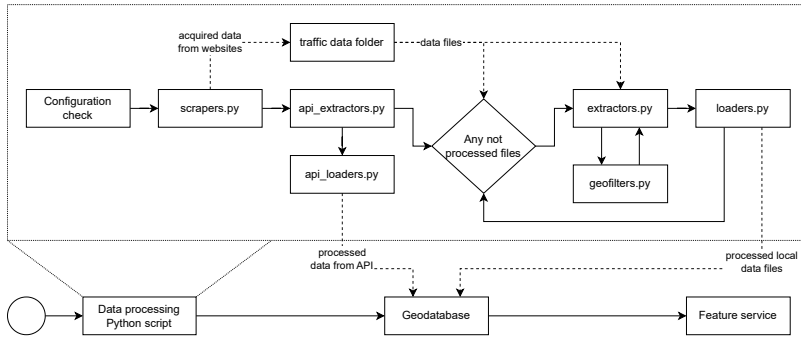


Figure 1: Schema of the developed script and its role in the whole process.

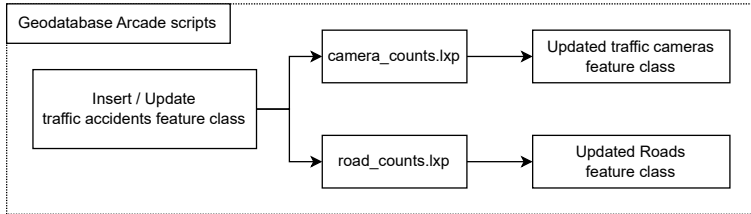


Figure 3: Schema of Arcade scripts which calculate additional attributes such as average traffic density or number of accidents on a given road.

Web Application



Figure 5: Examples of available visualizations

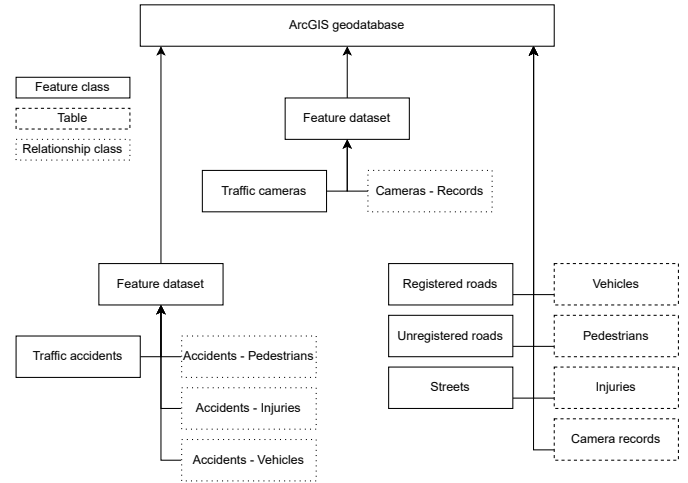


Figure 2: Schema of the created ArcGIS geodatabase.

Module Design

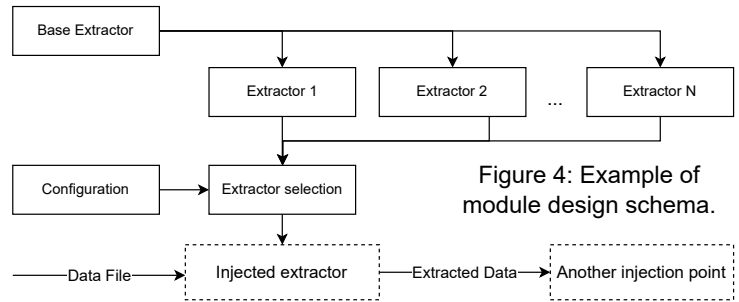


Figure 4: Example of module design schema.

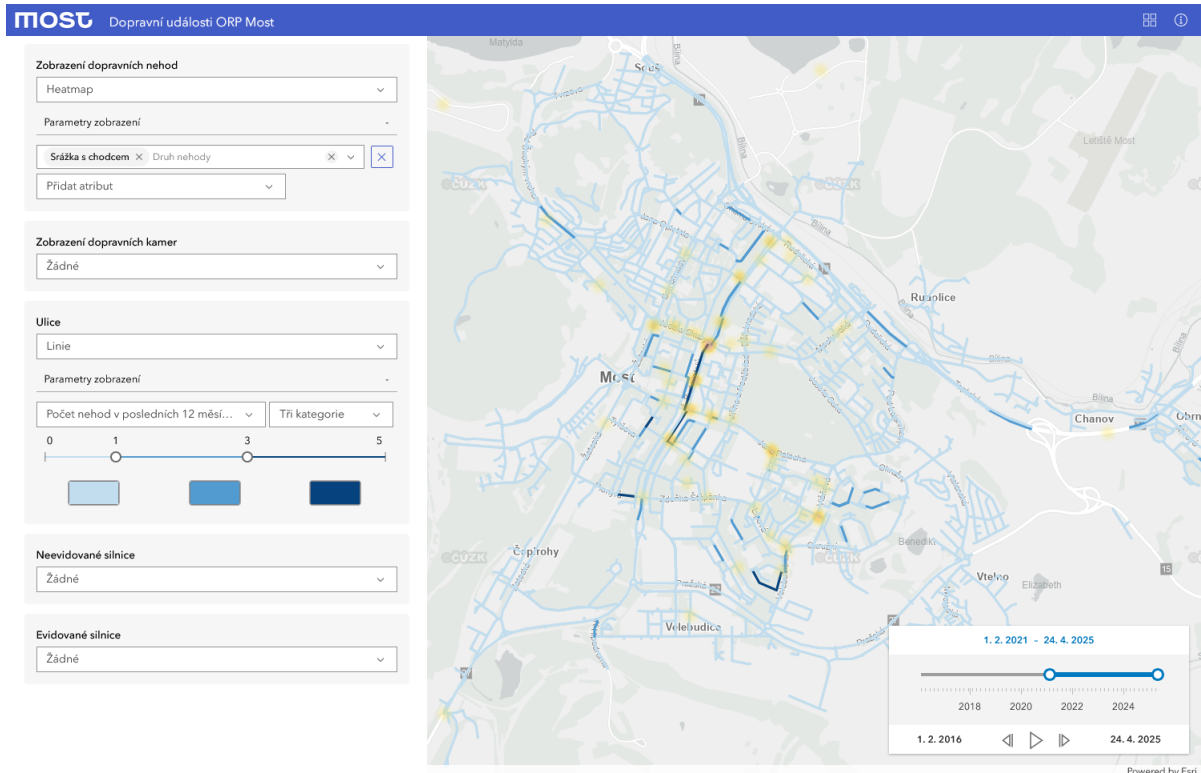


Figure 6: Screenshot of the deployed app showing hotspots of pedestrian collisions in the last 5 years and accident prone streets inside the city of Most.