

# Hazard score (documentation)

Initiative für sichere Straßen GmbH ([www.safer-roads.org](http://www.safer-roads.org))

We offer a comprehensive "hazard score" dataset for the road network. This score evaluates the risk level for each road segment on a scale from 1 to 5, with 1 indicating lower risk and 5 indicating very high risk. The hazard score is calculated with a high level of geographical accuracy with road segments or nodes being 10m or less.. Our data is designed to assist in risk assessment, road safety analysis, and urban planning. The dataset is provided in GeoJSON format, making it easy to integrate with various geographic information systems.

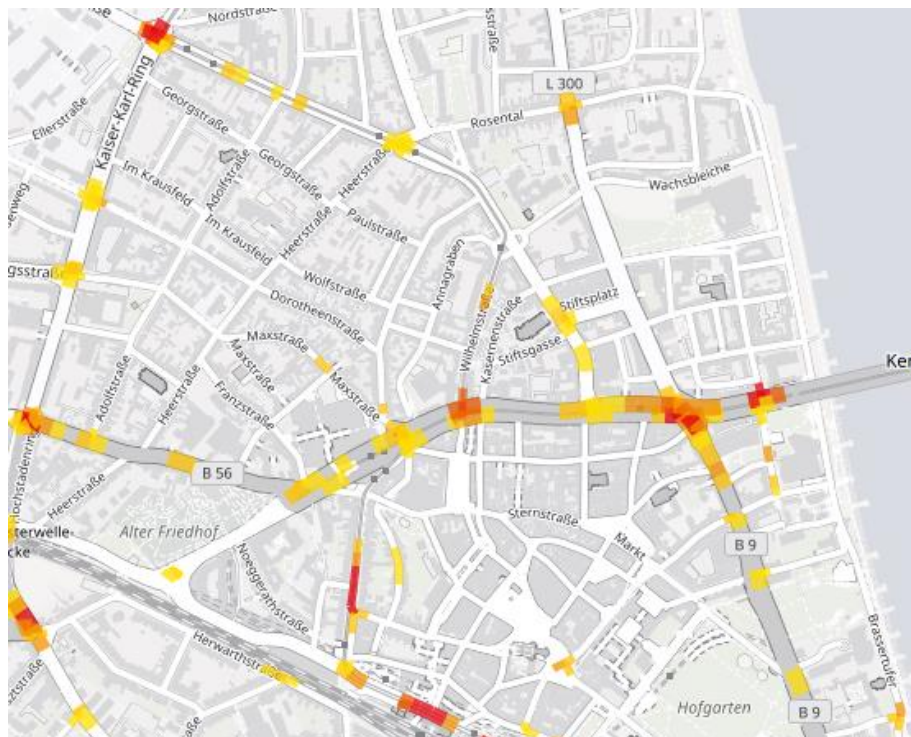
The hazard score is derived from multiple data sources, ensuring a robust and accurate risk assessment:

- **Accident Data:** Historical records of traffic accidents.
- **User Reports:** Real-time reports and feedback from users.
- **Vehicle Pulse Data:** Sensor data from vehicles indicating road conditions and incidents.

## Data Details:

- **Format:** GeoJSON
- **Type:** LineString
- **Coordinates:** Latitude and Longitude
- **Score:** Integer value ranging from 1 to 5, where: 1 = Lower risk, 5 = Very high risk

This dataset is crucial for stakeholders involved in transportation planning, road maintenance, insurance, and public safety. By utilizing this hazard score data, users can better understand and mitigate risks associated with road networks.



Example of Visualization