

Road Accident Risk - Past Accidents

Past Accidents

Road Infrastructure

Environmental Factors

Statistics

517,754
Count of id

615,076
Sum of num_reported_accidents

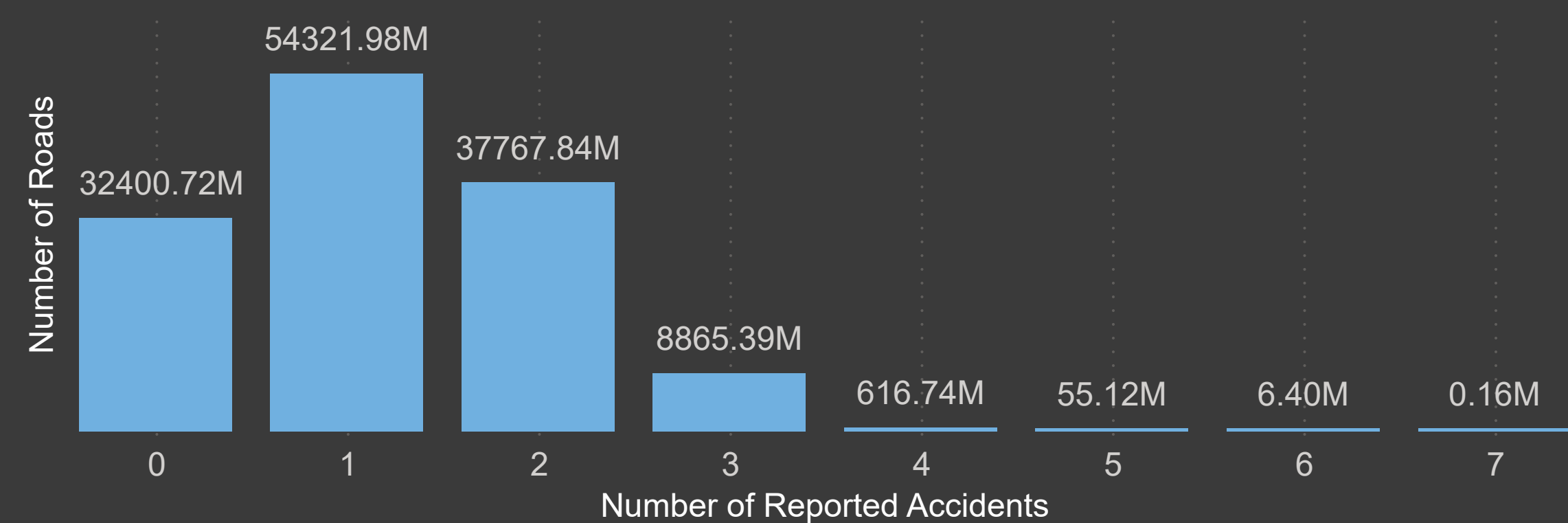
0.35
Average of accident_risk

Road Type

All

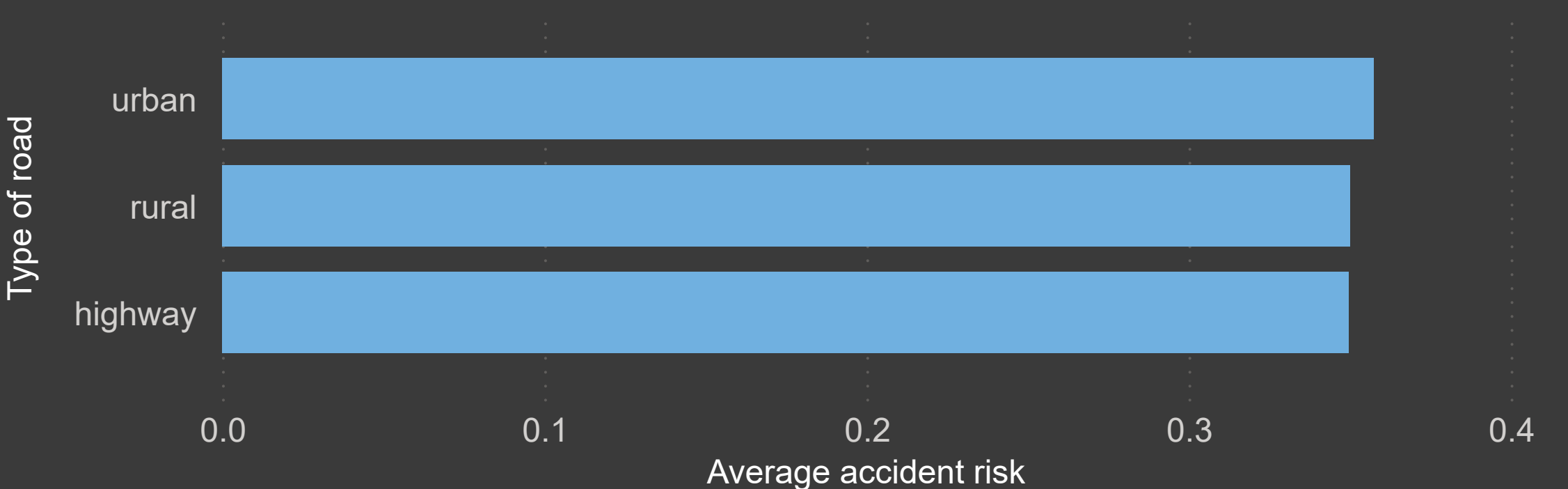
Reported Accidents Histogram

This histogram shows the reported accident distribution



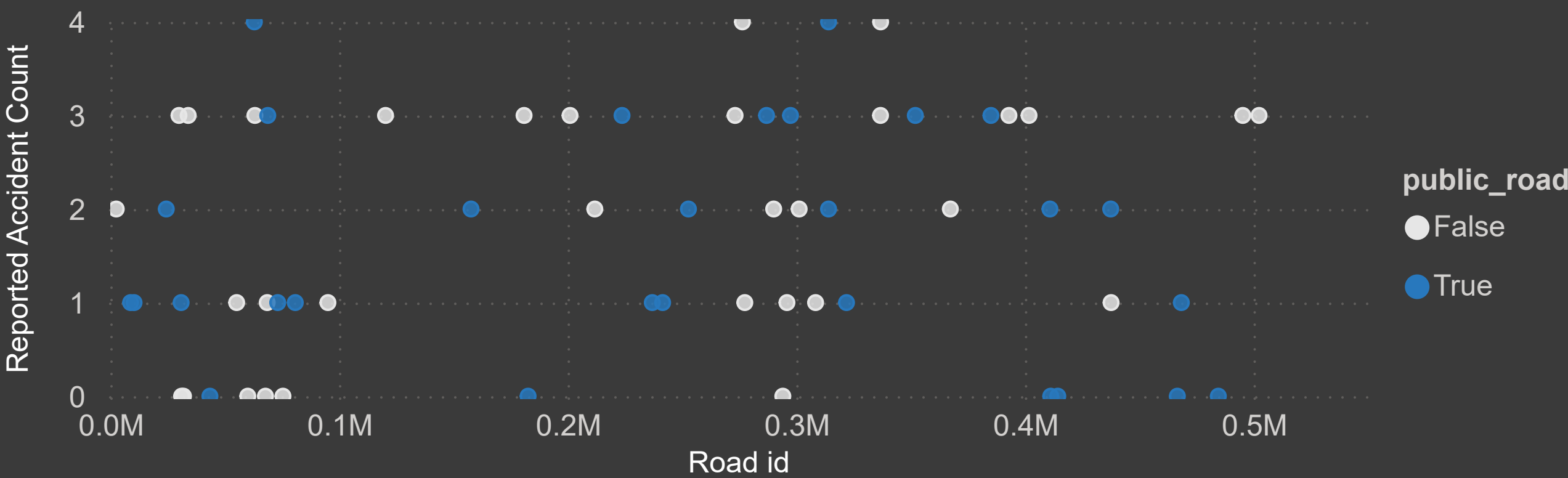
Average Accident Risk by Road Type

This highlights the road types with their accident risk on average



Reported Accidents in High Risk Roads

This plots the number of accidents reported in roads having a accident risk of 1.0



Road Accident Risk - Road Infrastructure

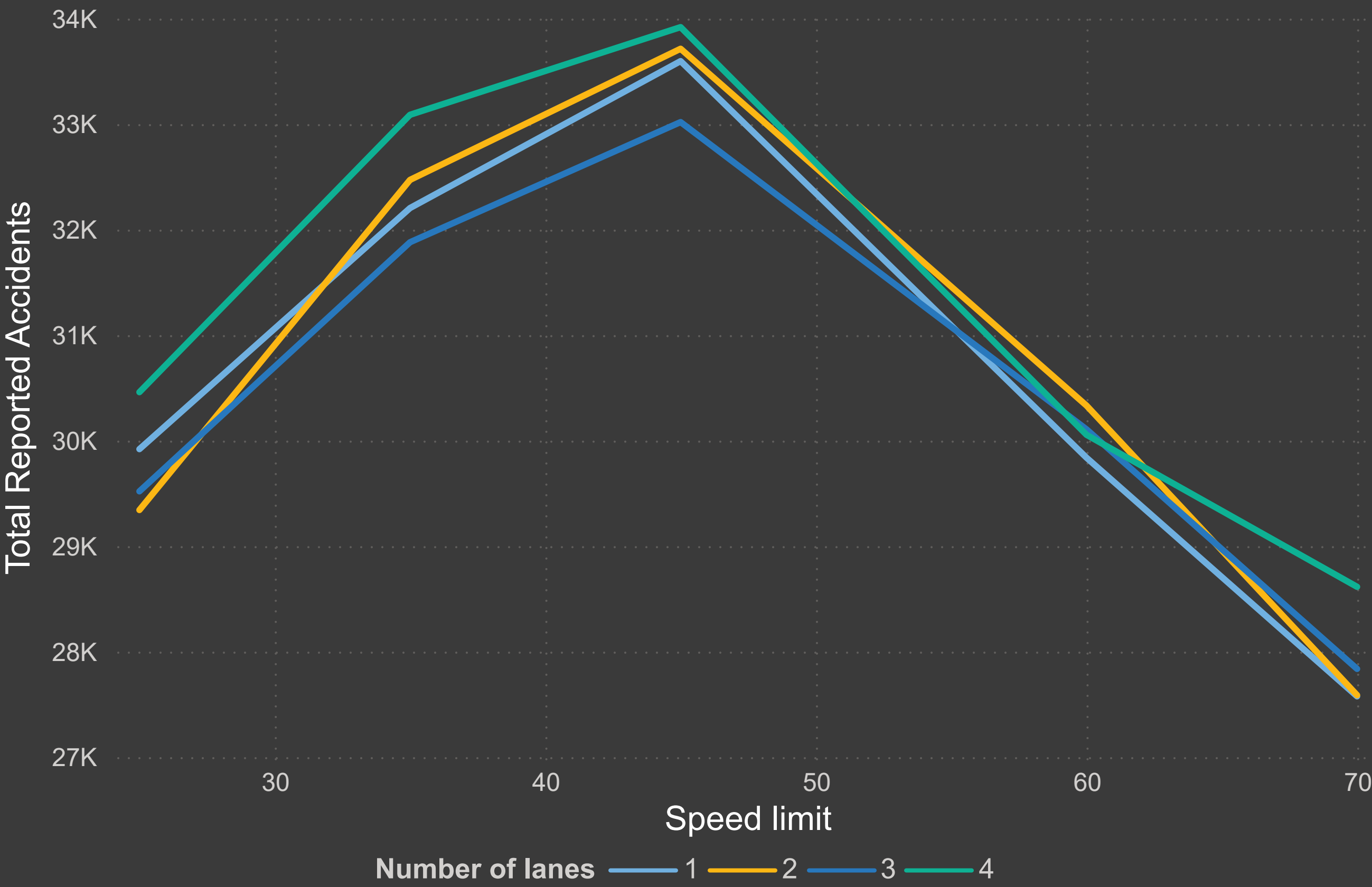
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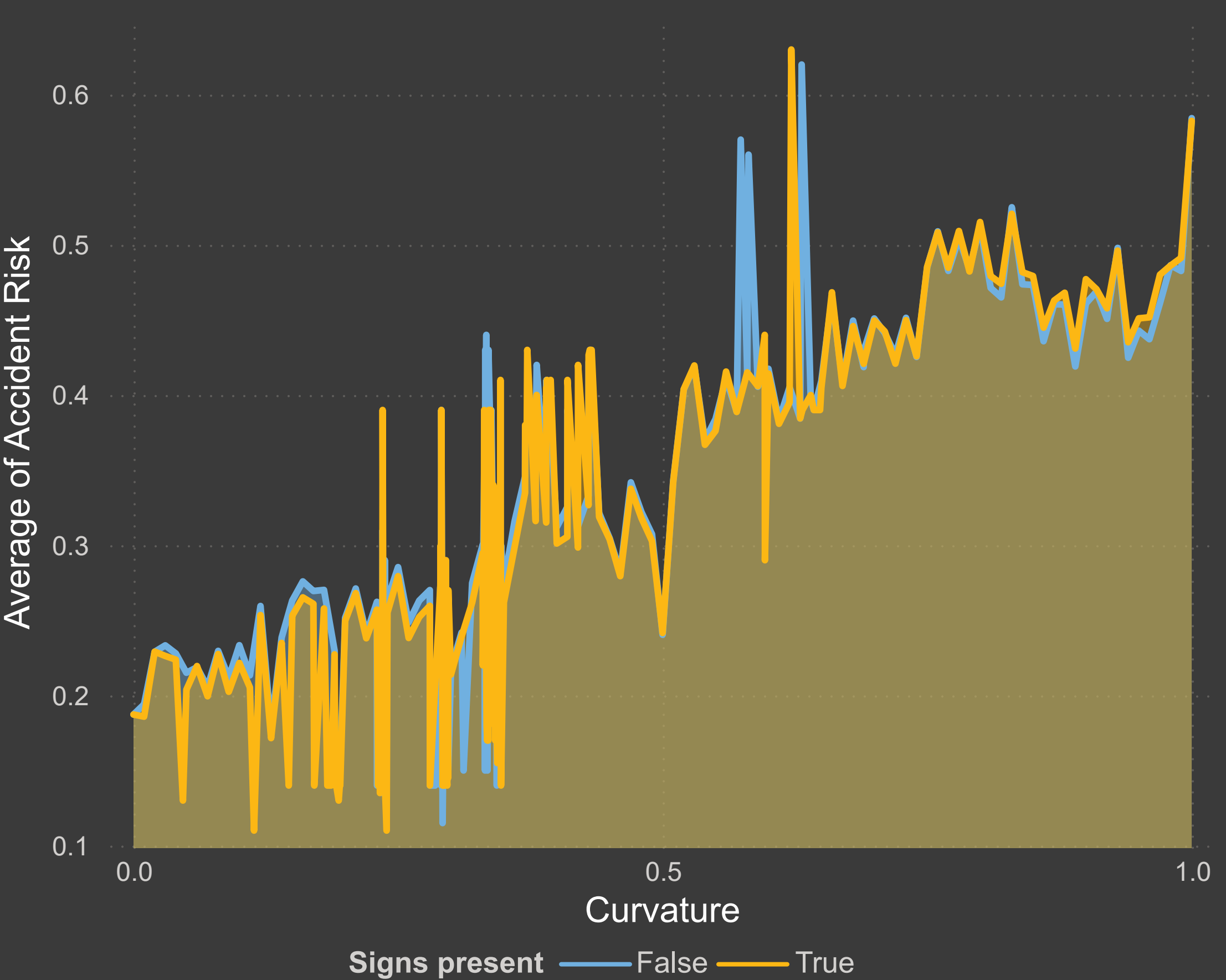
Speed Limit vs Total Number of Accidents

This reveals if higher speed limits correspond to higher accident risk



Average Accident Risk vs Curvature

This shows if roads with curves and signs are more dangerous



Road Accident Risk - Environmental Factors

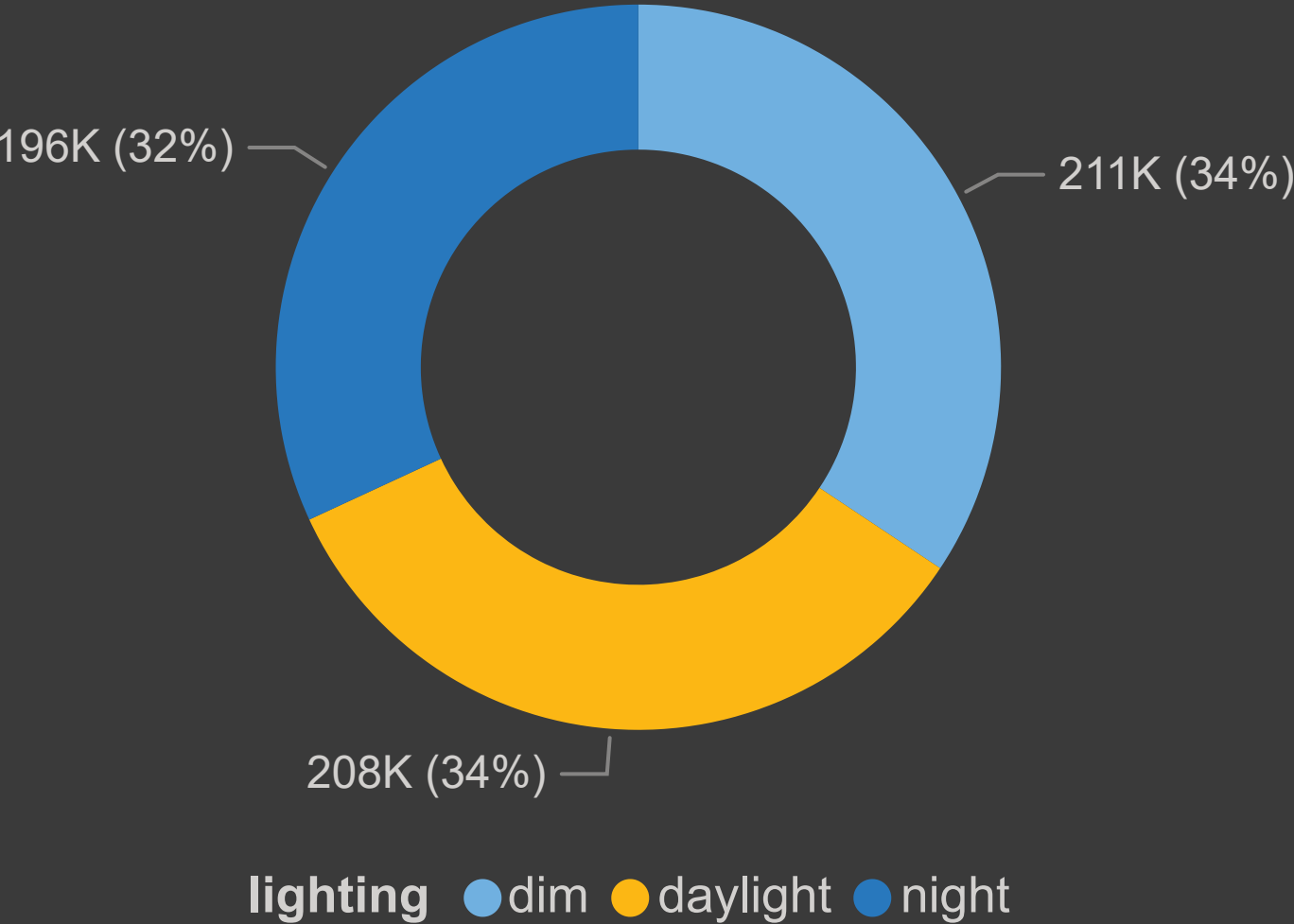
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Lighting Conditions vs Total Accidents

Assess whether poor lighting correlates with accident...



Average Accident Risk by Weather and Time of Day

Identify high-risk weather & time combinations

weather	afternoon	evening	morning	Total
clear	0.31	0.31	0.31	0.31
foggy	0.39	0.39	0.39	0.39
rainy	0.36	0.36	0.36	0.36
Total	0.35	0.35	0.35	0.35

List of High Risk Roads

This provides a list of roads with the highest accident risk with the speed limit sorted by id

id	speed_limit
8897	25
31197	25
180977	25
223825	25
237059	25
352095	25
385171	25
502435	25
2601	35
30043	35
32012	35
34071	35
67869	35
201077	35
276473	35
287023	35
297505	35
314152	35
336880	35
367425	35
495325	35
24483	45
63018	45
68883	45
73223	45
295951	45
336927	45
466705	45

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