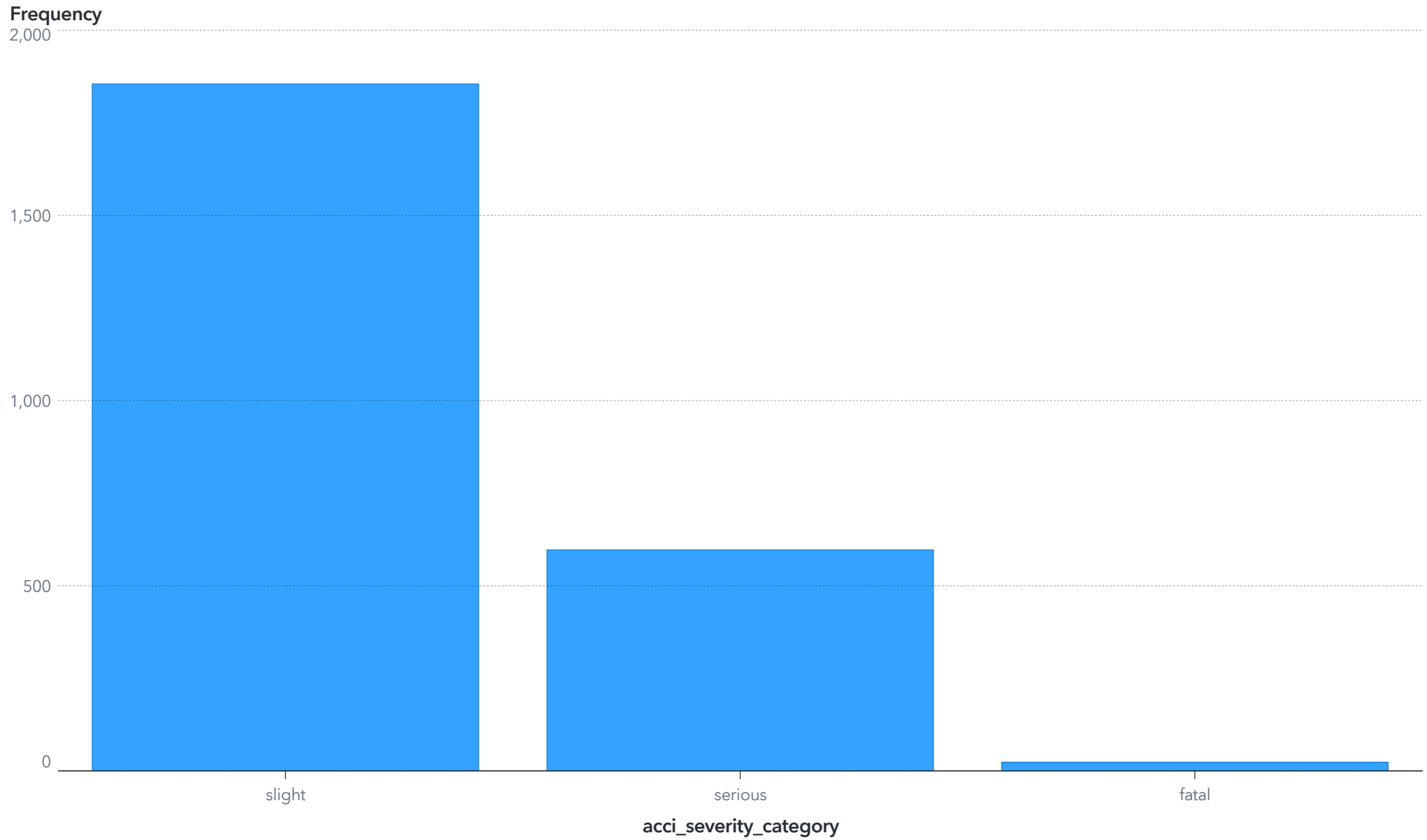# Road_Accidents_Reporting

Creation Date: Wednesday, May 7, 2025, 12:44:04 PM

Author: di00222@surrey.ac.uk
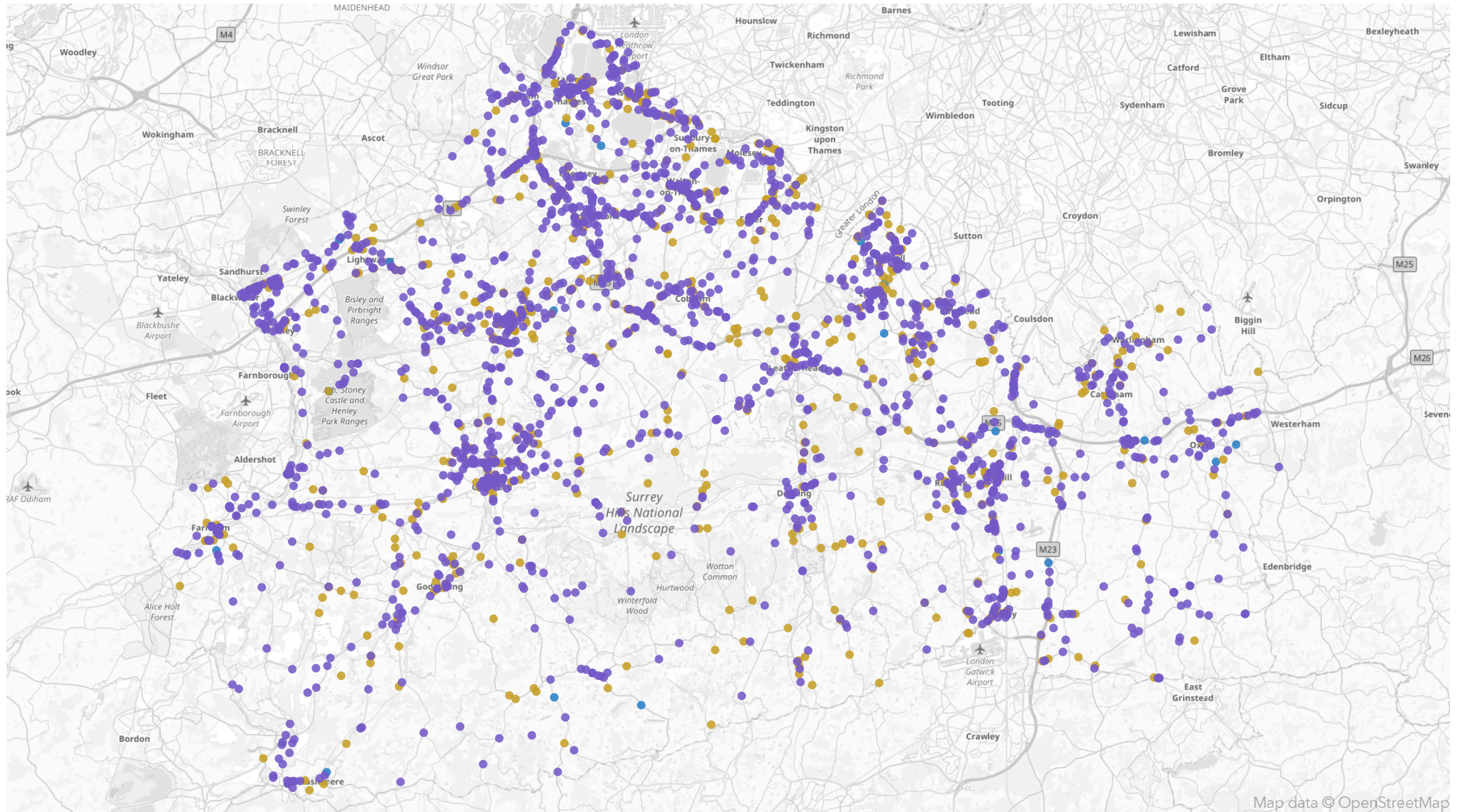
Overview at Data Balance

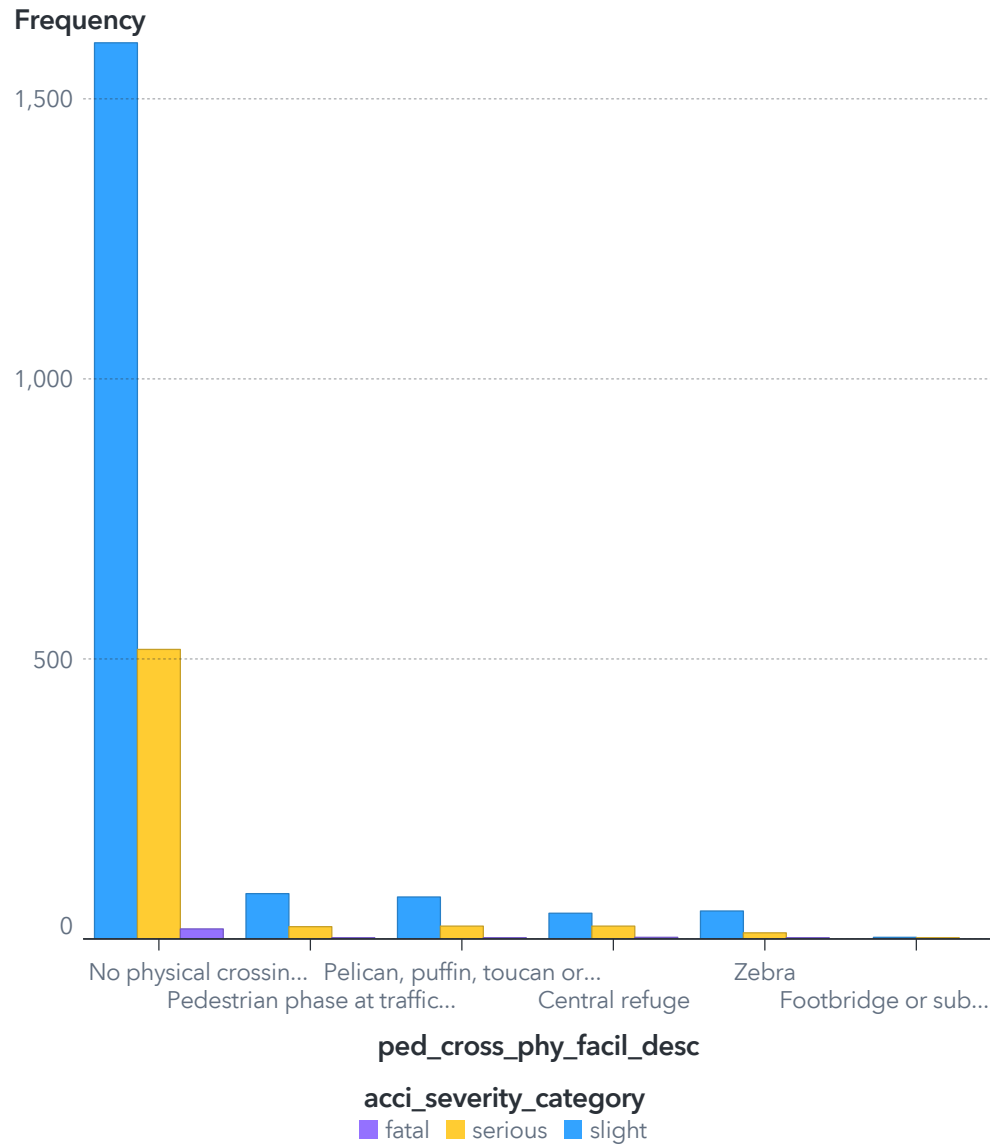## Frequency Distribution of acci_severity_category
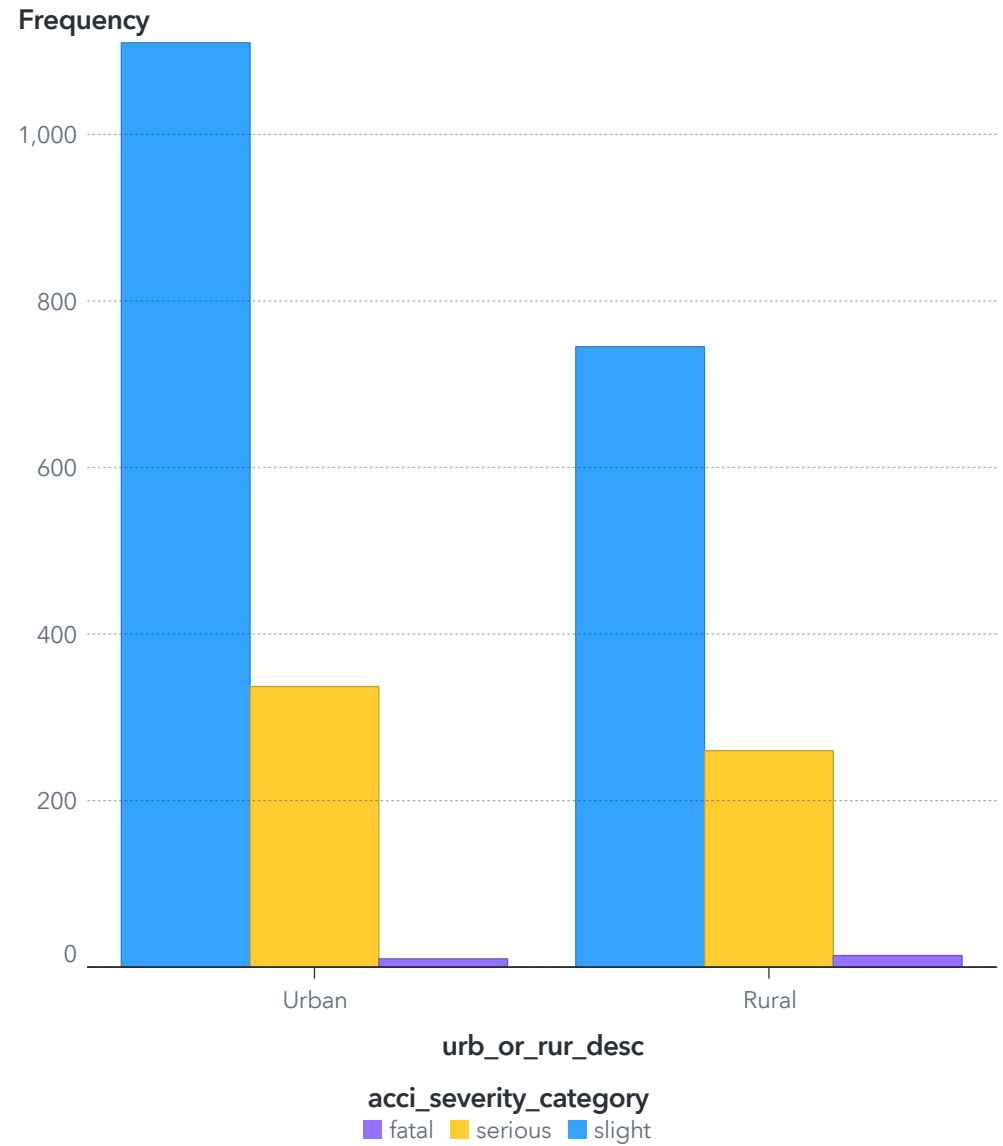
Map

acci_severity_category by Location

acci_severity_category ● fatal ● serious ● slight

environmental and road factors

Frequency of ped_cross_phy_facil_desc grouped by acci_severity_category

Frequency

ped_cross_phy_facil_desc

acci_severity_category
fatal   serious   slight

Frequency of urb_or_rur_desc grouped by acci_severity_category

Frequency

urb_or_rur_desc

acci_severity_category
fatal   serious   slight

environmental and road factors2

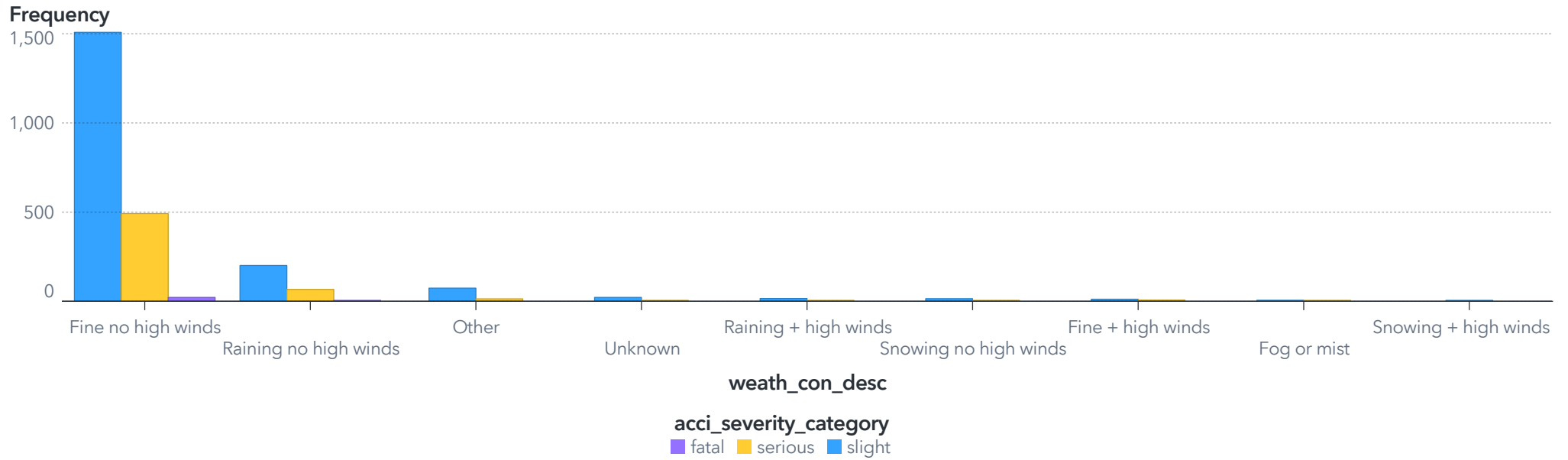## Frequency of weath_con_desc grouped by acci_severity_category

Frequency

weath_con_desc

acci_severity_category
■ fatal ■ serious ■ slight

Frequency of road_type_desc grouped by acci_severity_category

Frequency

road_type_desc

acci_severity_category
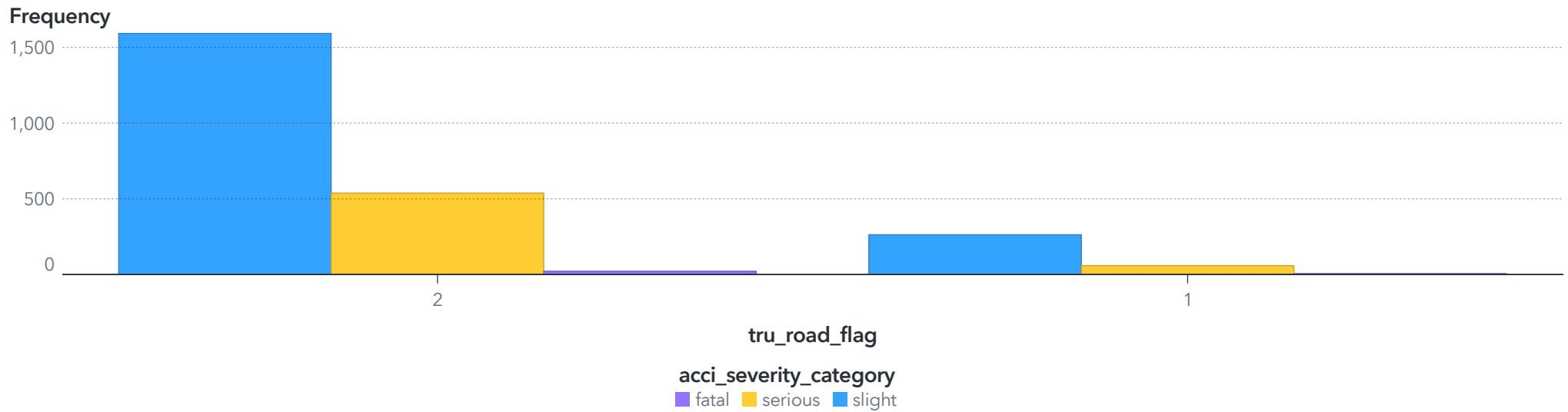■ fatal ■ serious ■ slight
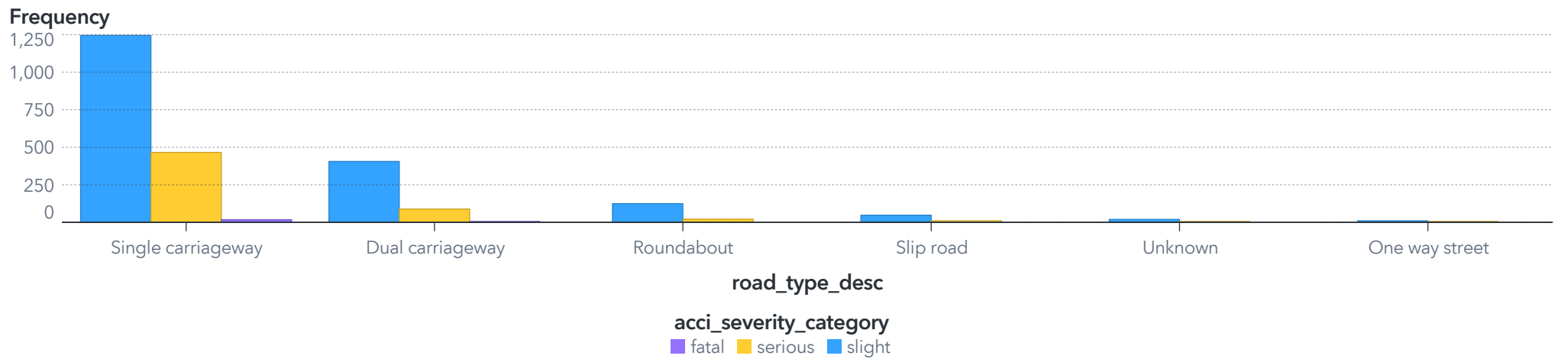
environmental and road factors3

Frequency of road_surf_con_desc grouped by acci_severity_category

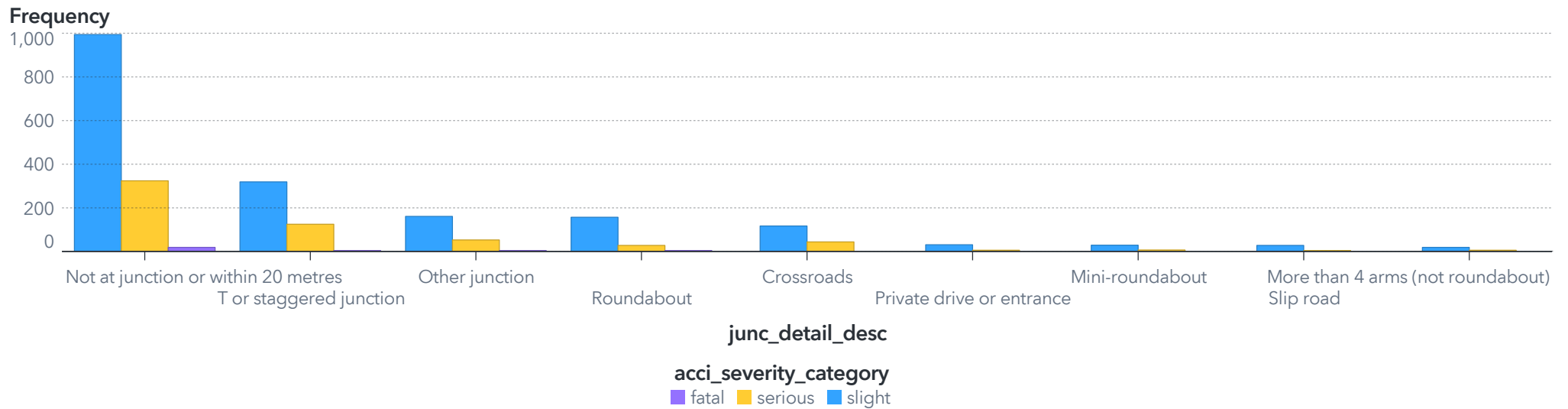**Frequency**

road_surf_con_desc

acci_severity_category
■ fatal ■ serious ■ slight
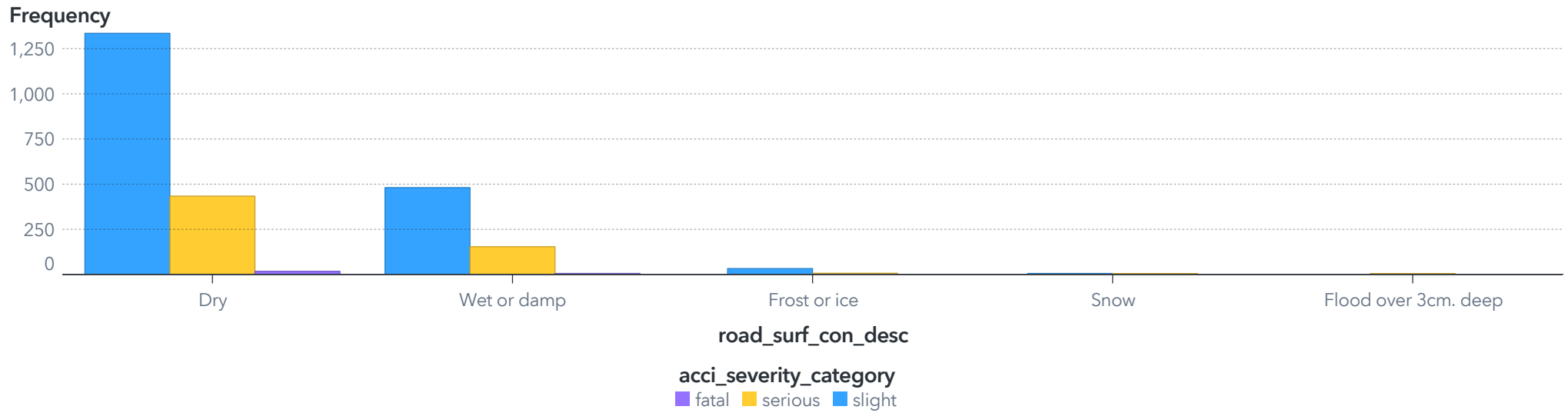
Frequency of tru_road_flag grouped by acci_severity_category

Frequency

tru_road_flag

acci_severity_category
■ fatal ■ serious ■ slight

5

environmental and road factors4

Frequency of spec_con_site_desc grouped by acci_severity_category

Frequency


spec_con_site_desc

acci_severity_category
■ fatal ■ serious ■ slight
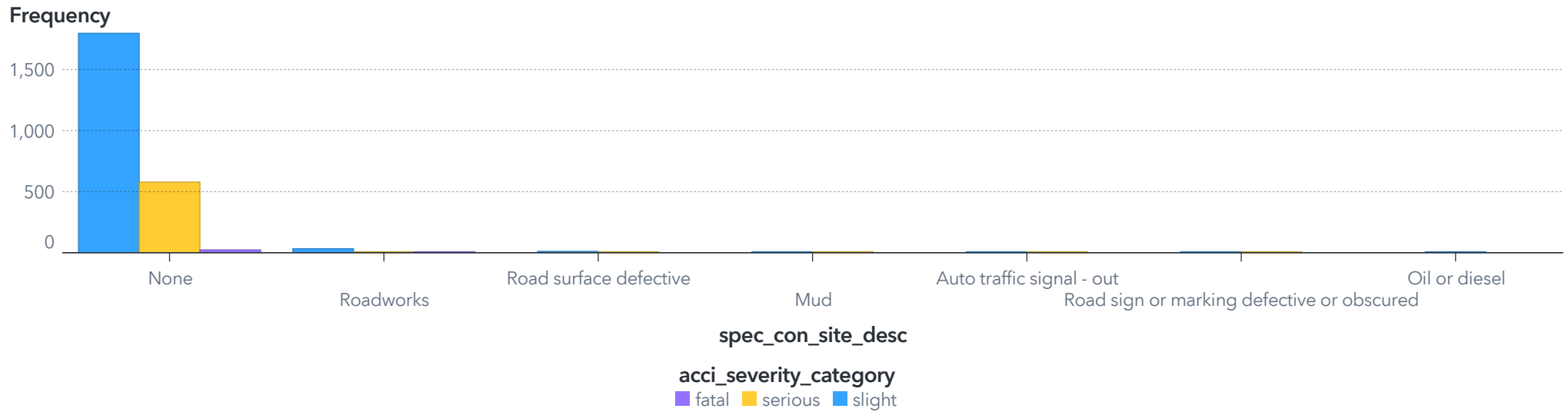
Frequency of junc_detail_desc grouped by acci_severity_category

Frequency

junc_detail_desc

acci_severity_category
■ fatal ■ serious ■ slight

environmental and road factors5

Frequency of light_con_desc grouped by acci_severity_category

Frequency

light_con_desc

acci_severity_category
■ fatal ■ serious ■ slight
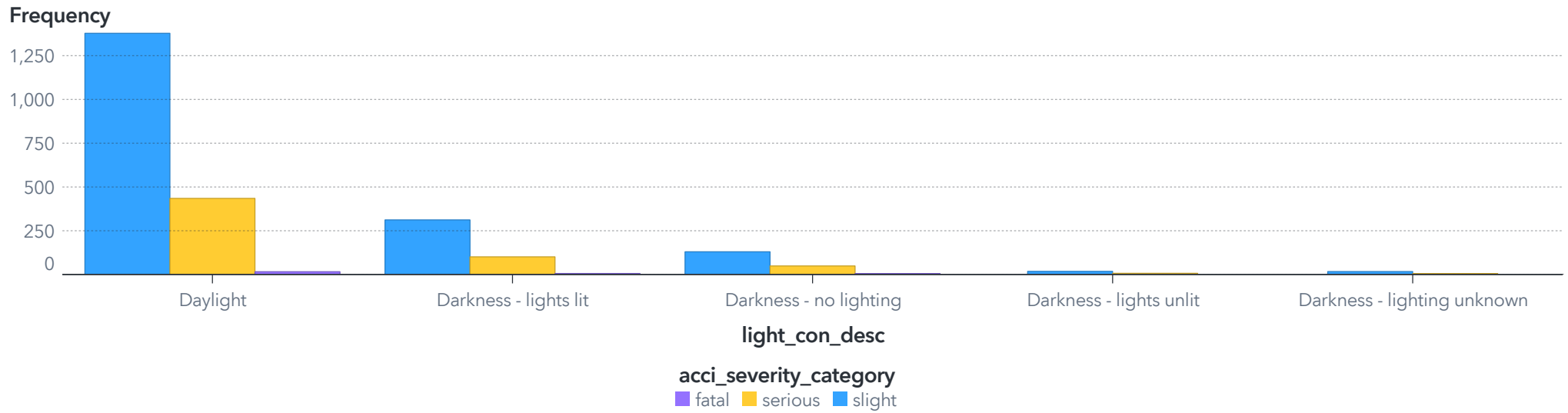
Frequency of ped_cross_hum_con_desc grouped by acci_severity_category
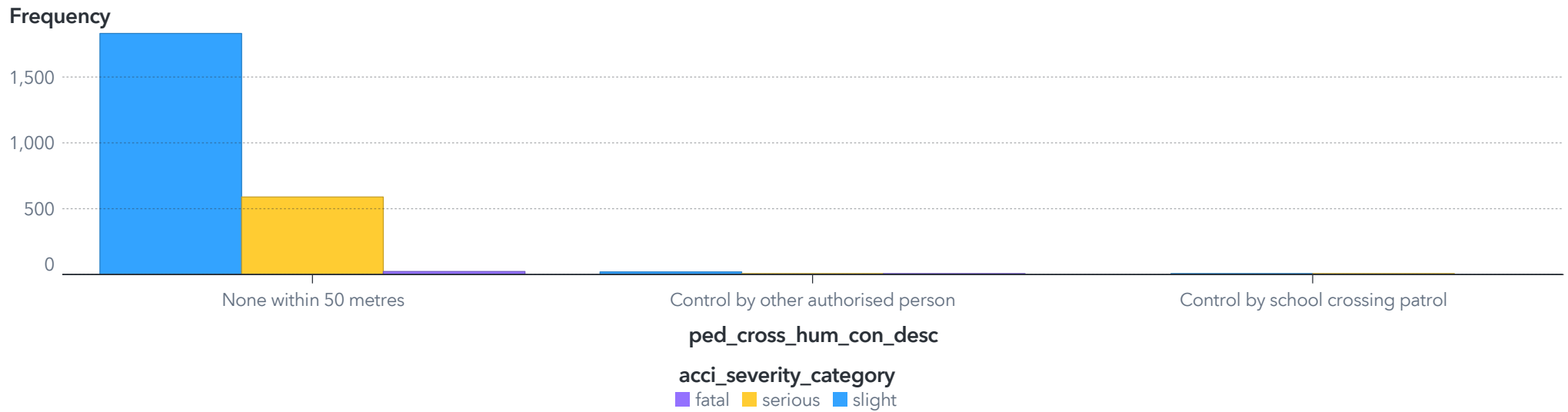
Frequency

ped_cross_hum_con_desc

acci_severity_category
■ fatal ■ serious ■ slight

7

Frequency of ped_cross_phy_facil_desc grouped by acci_severity_category

Frequency

ped_cross_phy_facil_desc

acci_severity_category
■ fatal ■ serious ■ slight
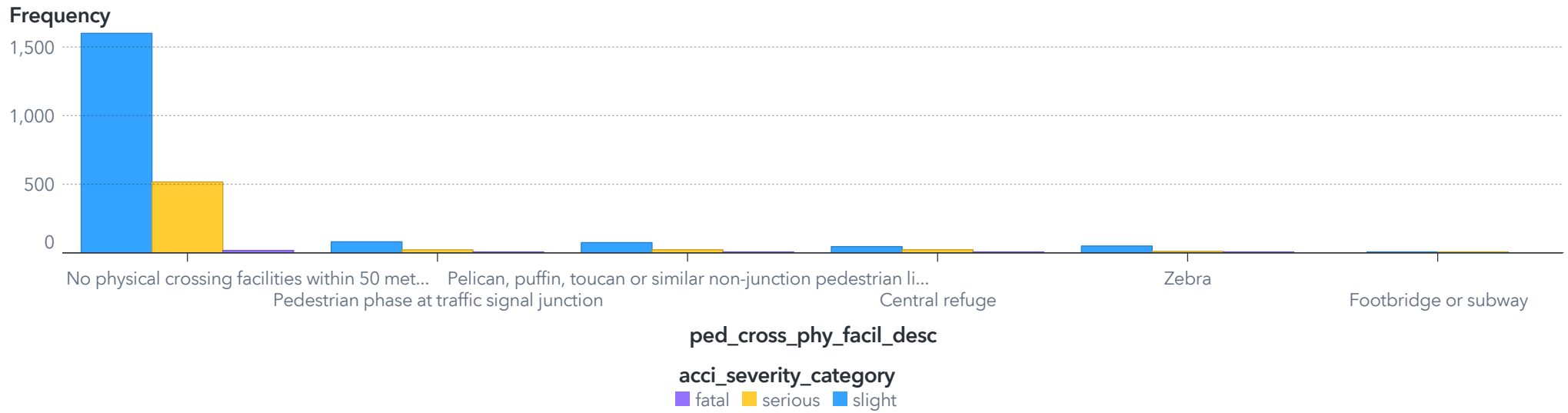
Frequency of sec_road_class grouped by acci_severity_category

Frequency

sec_road_class

acci_severity_category
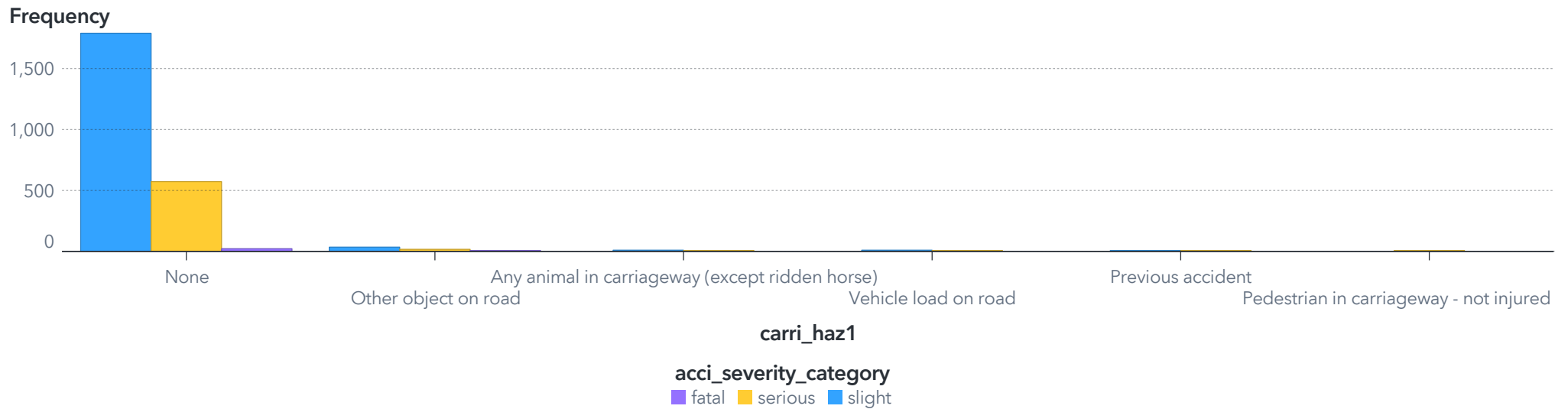■ fatal ■ serious ■ slight
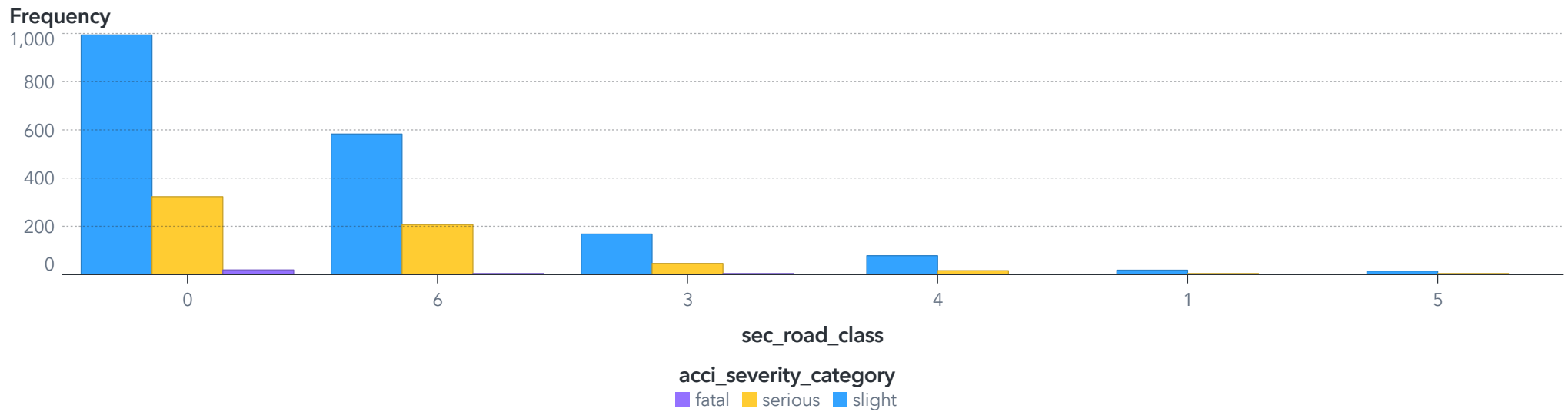
environmental and road factors7

Frequency of first_road_class grouped by acci_severity_category

Frequency

first_road_class

acci_severity_category
fatal serious slight
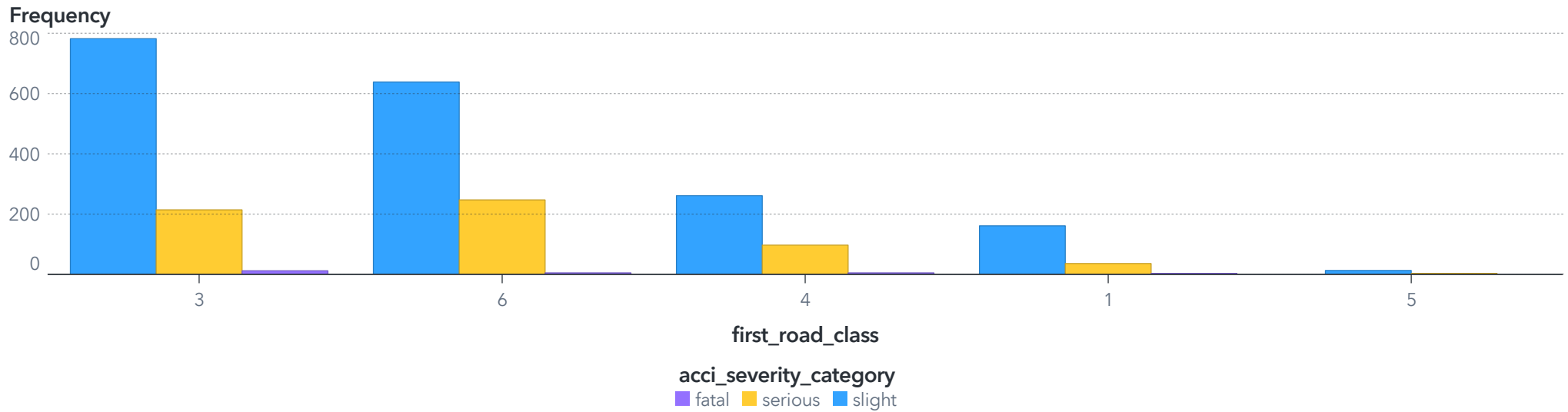
Frequency of carri_haz1 grouped by acci_severity_category

Frequency

carri_haz1

acci_severity_category
fatal serious slight

time factors

Frequency of time_category grouped by acci_severity_category

Frequency

time_category

acci_severity_category
fatal serious slight
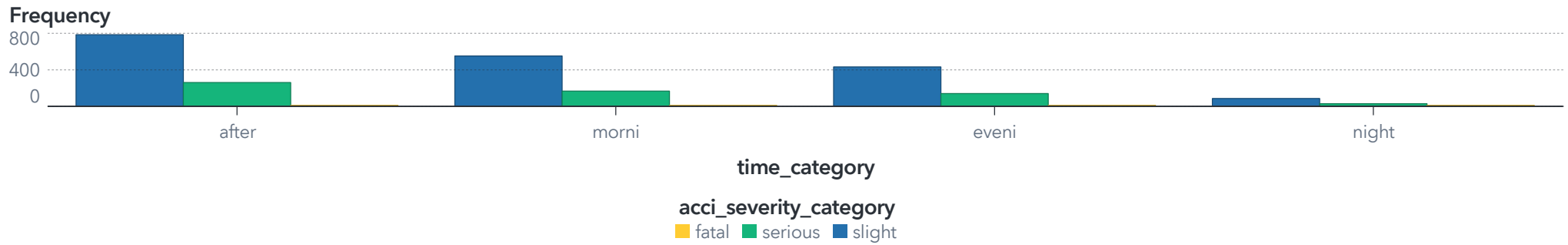
Frequency of day_of_week grouped by acci_severity_category

Frequency

day_of_week

acci_severity_category
fatal serious slight
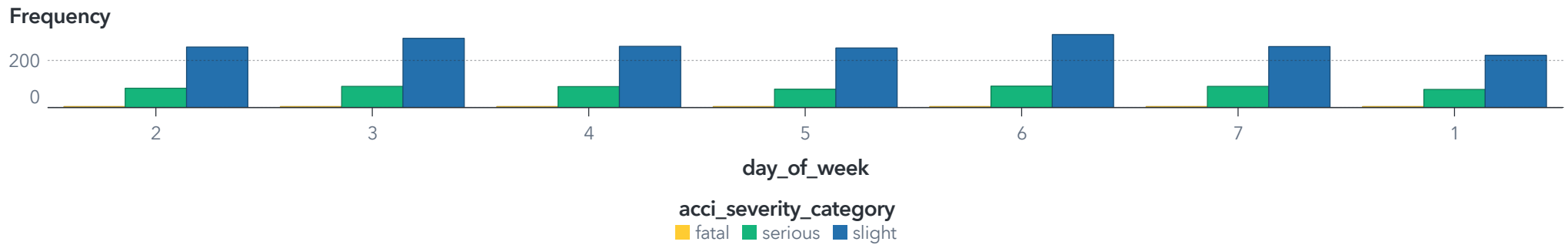
Frequency of _months_ grouped by acci_severity_category

Frequency

months

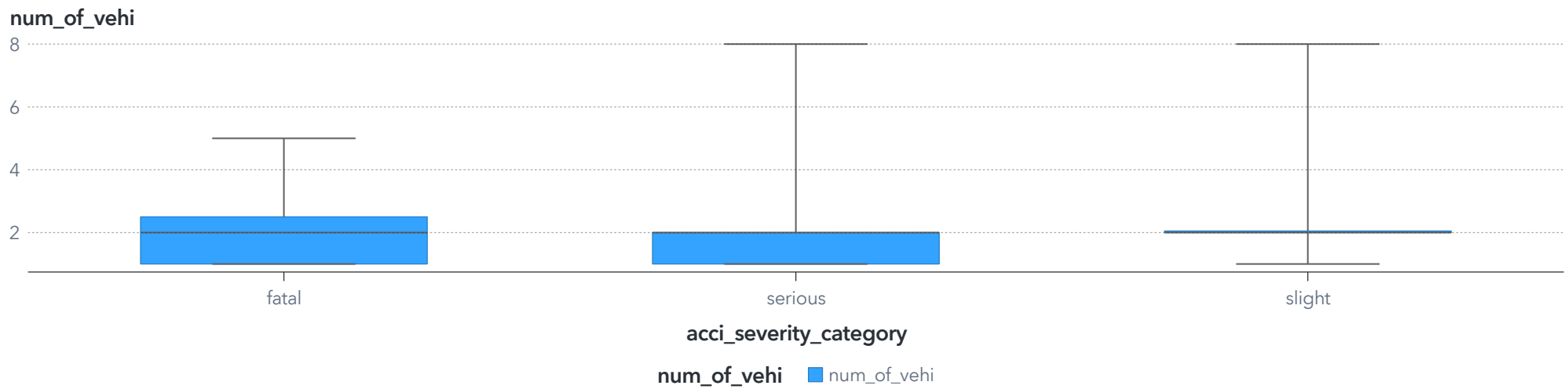**acci_severity_category**
fatal serious slight
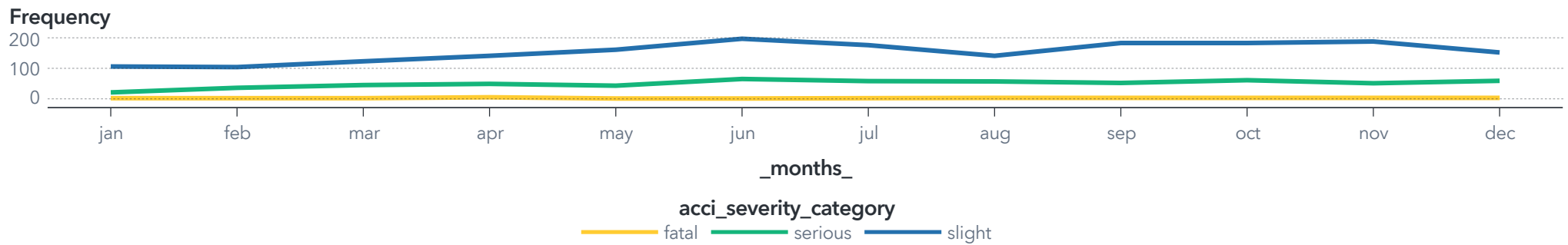
accident circumstances

Frequency of did_poli_attend_cat grouped by acci_severity_category
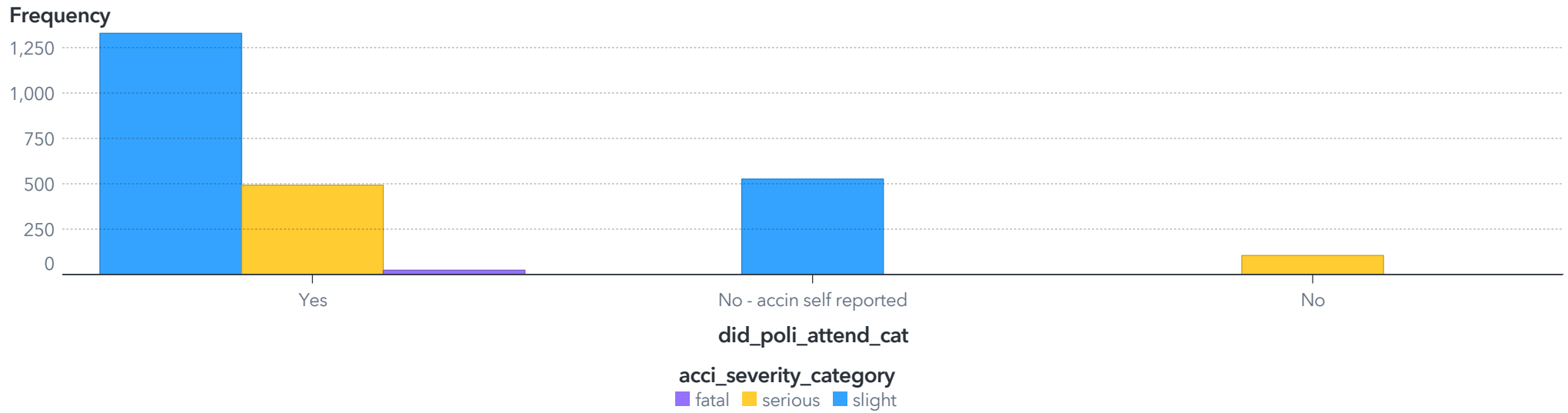
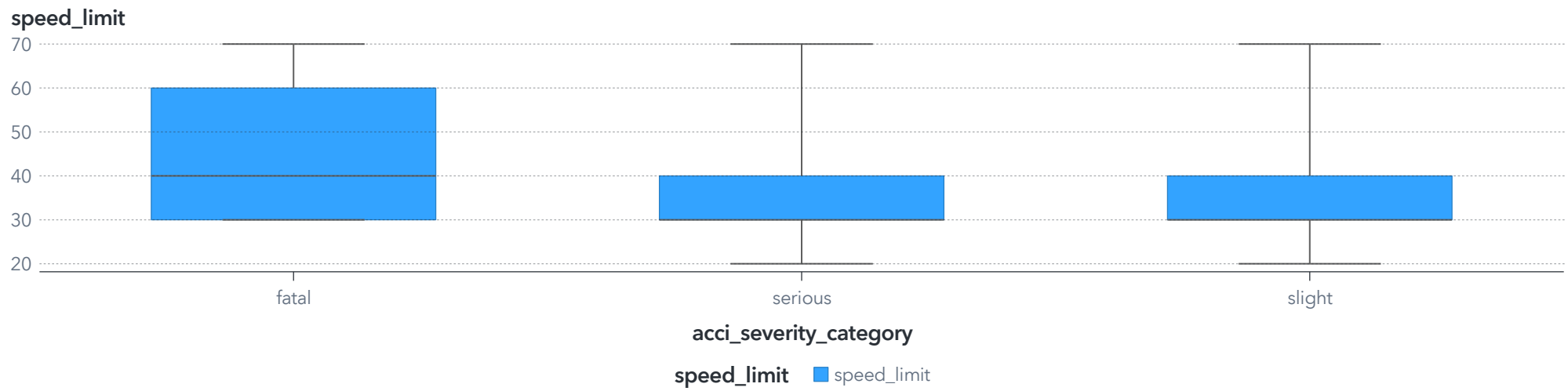## num_of_vehi by acci_severity_category

accident circumstances2

num_of_casu by acci_severity_category

num_of_casu

acci_severity_category

num_of_casu ■ num_of_casu
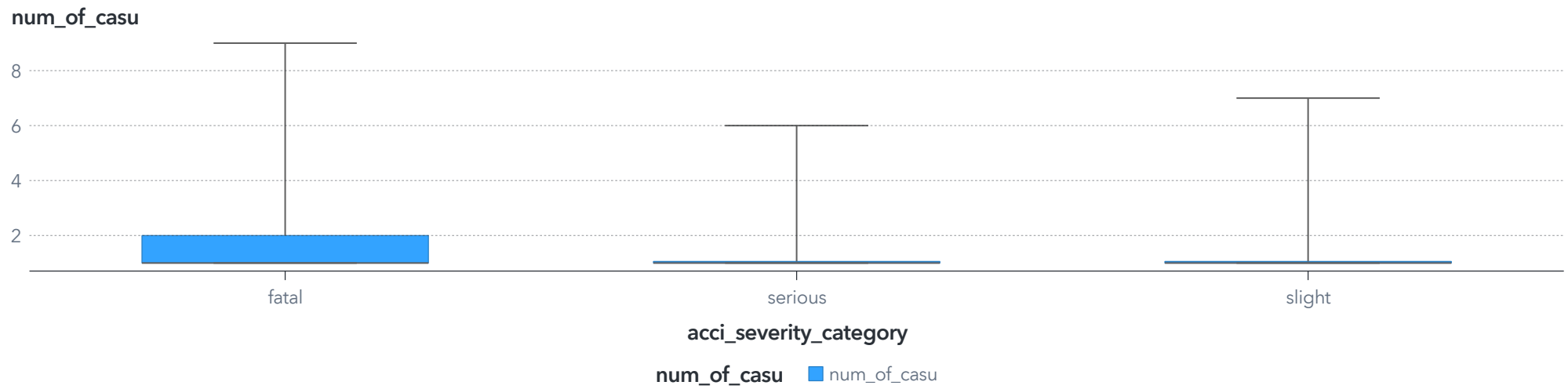
speed_limit by acci_severity_category

speed_limit

acci_severity_category

speed_limit ■ speed_limit

12

AutoML

## What are the characteristics of acci_severity_category?

slight is the most common value representing 74.92% (1.9K of 2.5K) of acci_severity_category. Other common values are serious (at 24.11%) and fatal (at 0.97%). The three most related factors are did_poli_attend_cat, road_type_desc, and num_of_vehi.

fatal	serious	slight

What factors are most related to acci_severity_category?
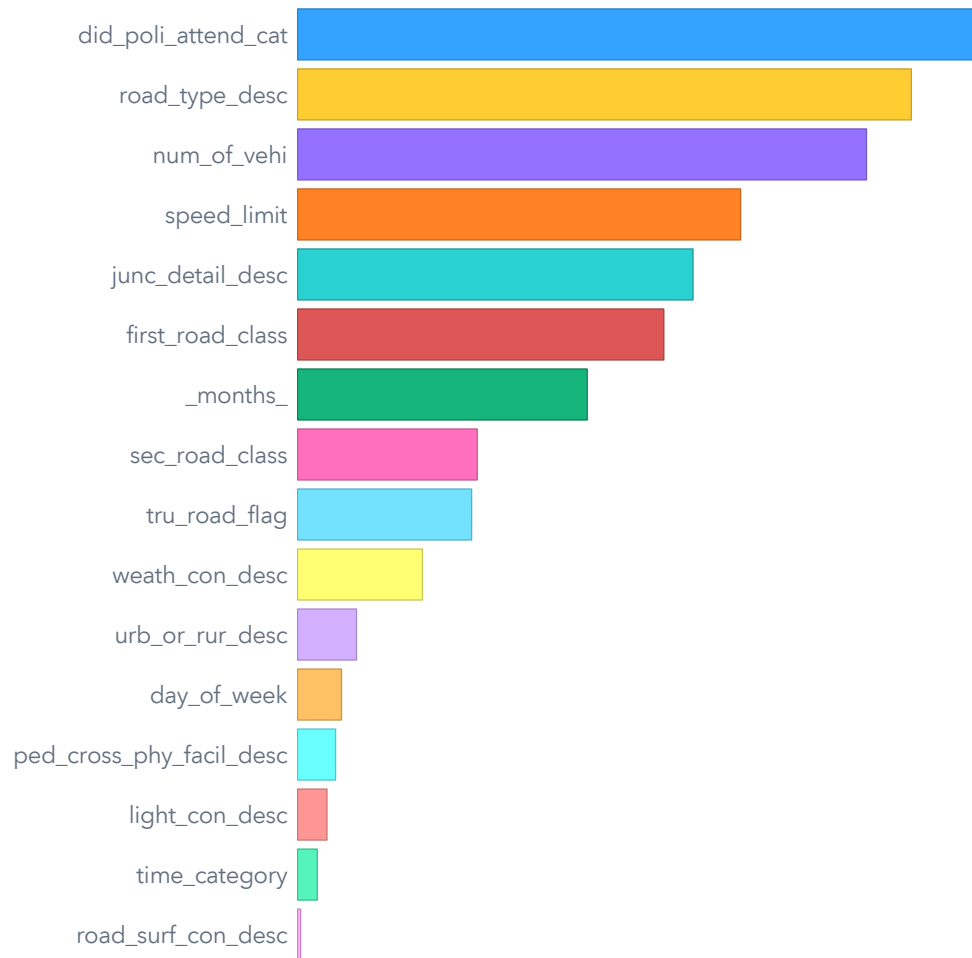
What is the relationship between acci_severity_category and road_surf_con_desc?
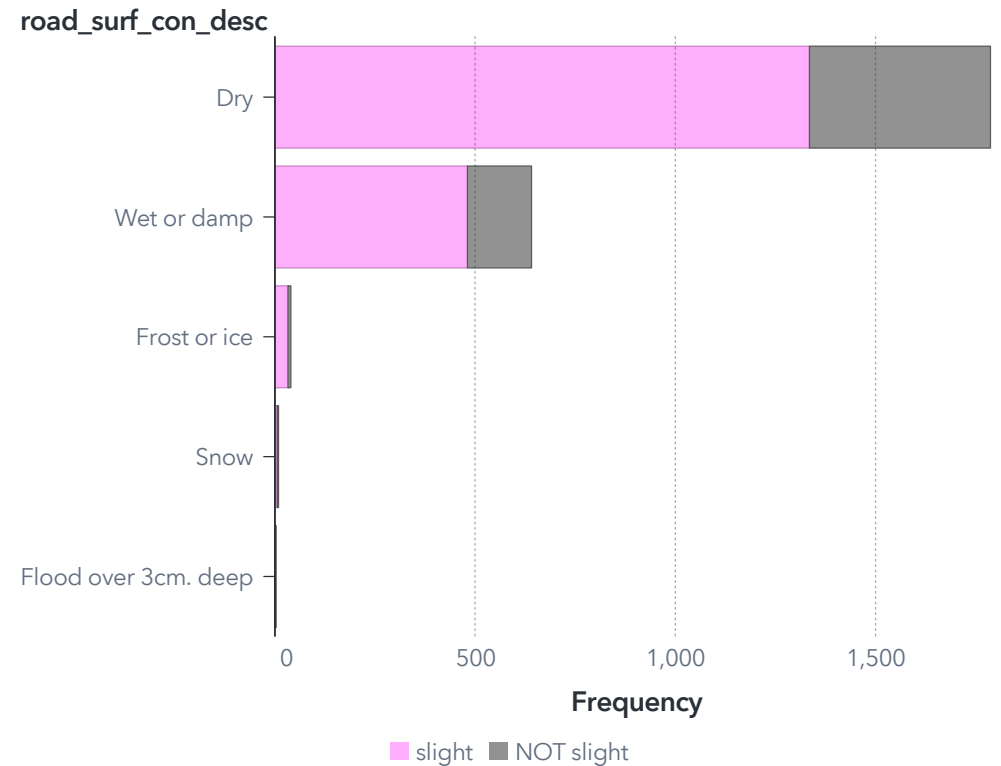
road_surf_con_desc

When road_surf_con_desc is Dry, the total count of slight is a high value; when road_surf_con_desc is Wet or damp, Frost or ice or Snow, the total count of slight is a low value. The most common road_surf_con_desc value is Dry.