

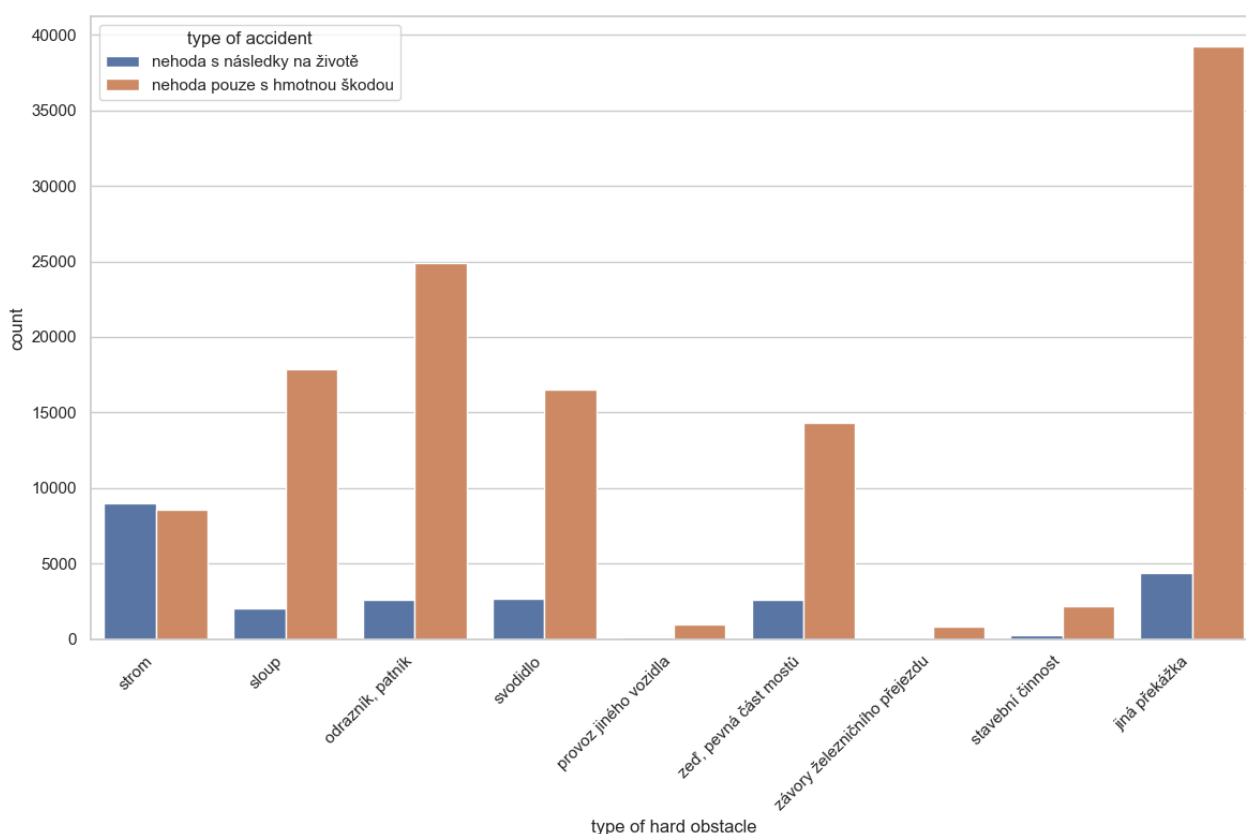
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### Task 3: Own analysis

As part of the third task, I have performed an analysis of the number of injury accidents to the type of solid obstacle. The goal of this report is to show on which types of solid obstacles accidents injure people more often than others.

The accident data were separated and grouped by obstacle type and crash type to quantify the number of crashes that resulted in injuries and those that resulted in only vehicle damage. It should be noted that cases that were not related to crashes involving solid obstacles were removed from the data sample.

Of the total number of accidents, regardless of the type of solid obstacle, the percentage of accidents resulting in injuries is 15.94 %. Based on the data, it was discovered that the highest number of crashes resulting in injuries occurred in crashes with a tree. The percentage of such crashes in relation to all crashes with injuries is 37.93 %. It is also quite interesting that the percentage of crashes involving another vehicle that resulted in injuries in relation to all crashes that caused injuries is only 0.45 %. The graph below shows the number of crashes involving different types of solid obstacles as well as how many of these crashes resulted in injuries and how many resulted in vehicle damage only.



The table specifically lists the number of accidents that have occurred with the given types of solid obstacle and with the given types of accident. This report proves that, based on the data provided, the highest number of injury crashes involving collisions with a solid obstacle occurs when a vehicle collides with a tree.

Table 1: Type of accident depending on the type of hard obstacle over the whole time of observations

type of accident type of hard obstacle	nehoda pouze s hmotnou škodou	nehoda s následky na životě
<b>jiná překážka</b>	39250	4390
<b>odrazník, patník</b>	24887	2620
<b>provoz jiného vozidla</b>	1003	106
<b>sloup</b>	17837	2042
<b>stavební činnost</b>	2159	257
<b>strom</b>	8611	9020
<b>svodidlo</b>	16514	2676
<b>zeď, pevná část mostů</b>	14325	2649
<b>závory železničního přejezdu</b>	818	20