

# ROAD ACCIDENTS SLOVAKIA

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## INTRODUCTION

Accidents on Slovak road, cars, bykes, walkers



Almost everyday we hear about accidents on roads. Drunk driver, distracted driving, killed 6 people. Lets have a look at the real data and answer why is this happening and how many accidents there are?

# Goals



?

- **How many accidents are there on roads in last 10 years?**

?

- **What are the causes of these accidents?**

?

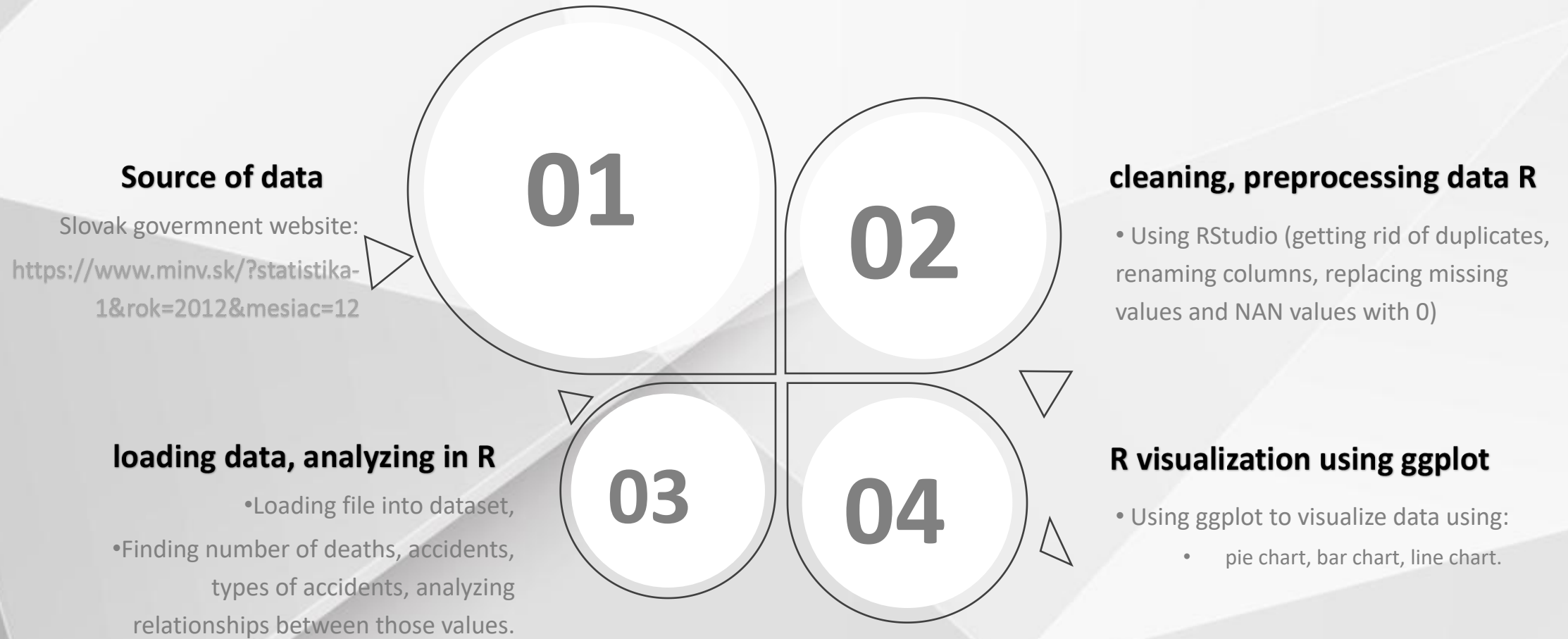
- **Is alcohol such a big problem on roads or its something else?**

# DATA ANALYSIS

Analyzing data to see hidden trends data on Slovak roads which includes: cars, trucks, motorcycles, cycles, people crossing road, wild animals and applying R code demonstrating findings.



# Data analysis Process





## Accident data 2022

### DEATHS

**244**

Total number  
of all  
accidents is:  
**8765**

1

Car: **6609**



2

Cyclist: **457**



3

People crossing  
road: **327**



4

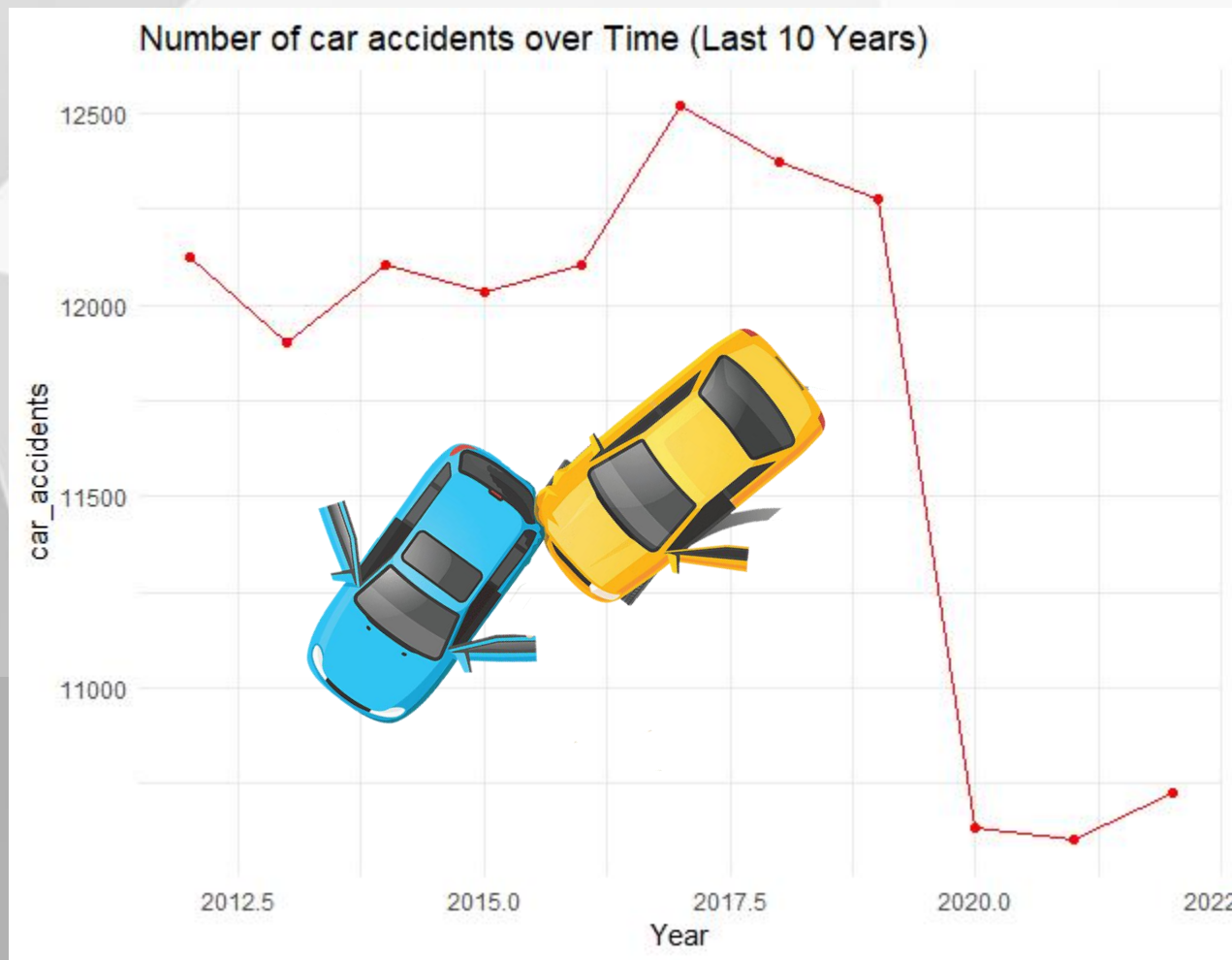
Motocycle: **266**



5

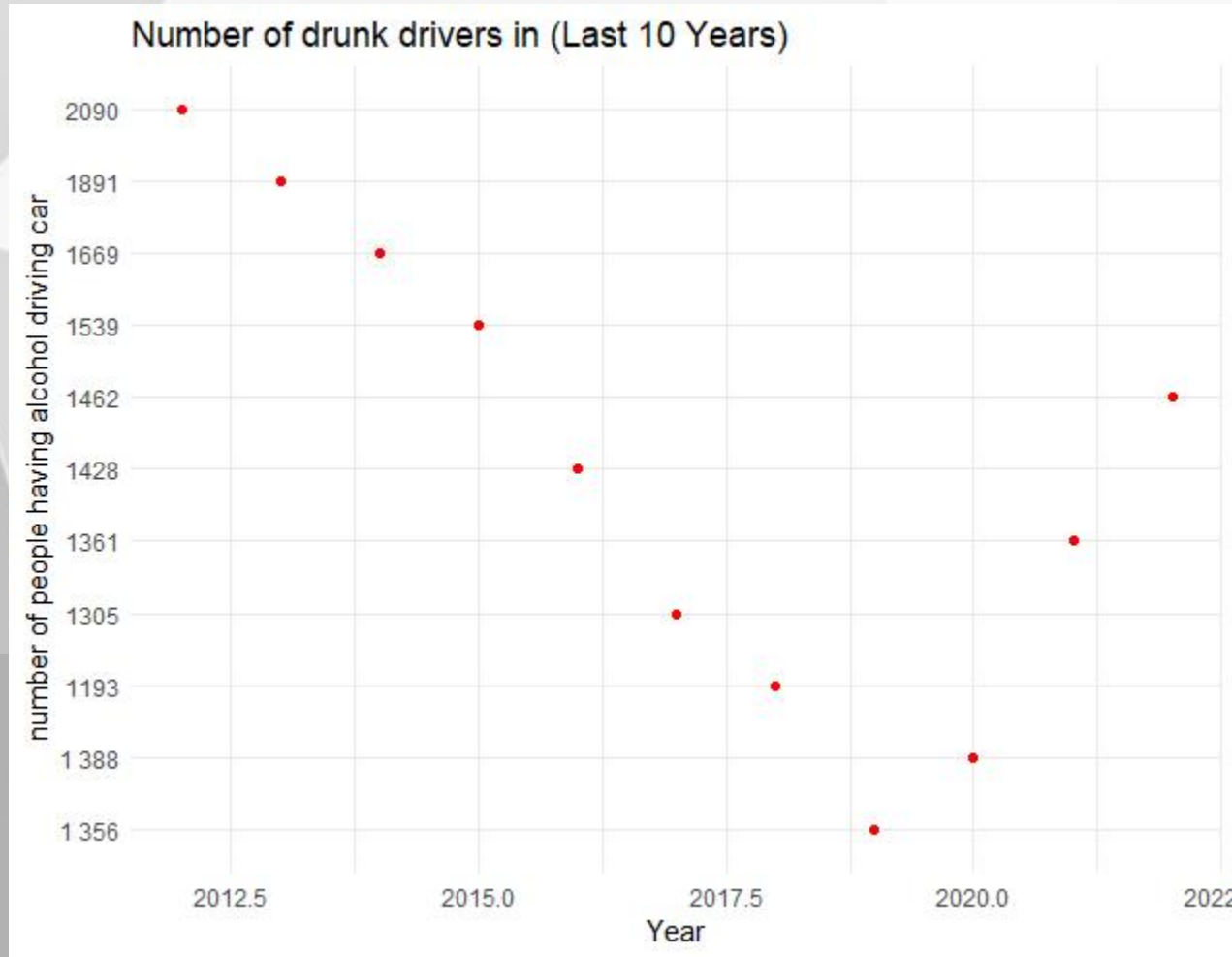
Trucks: **135**





Last 10 years the  
number of accidents on  
roads went down by:

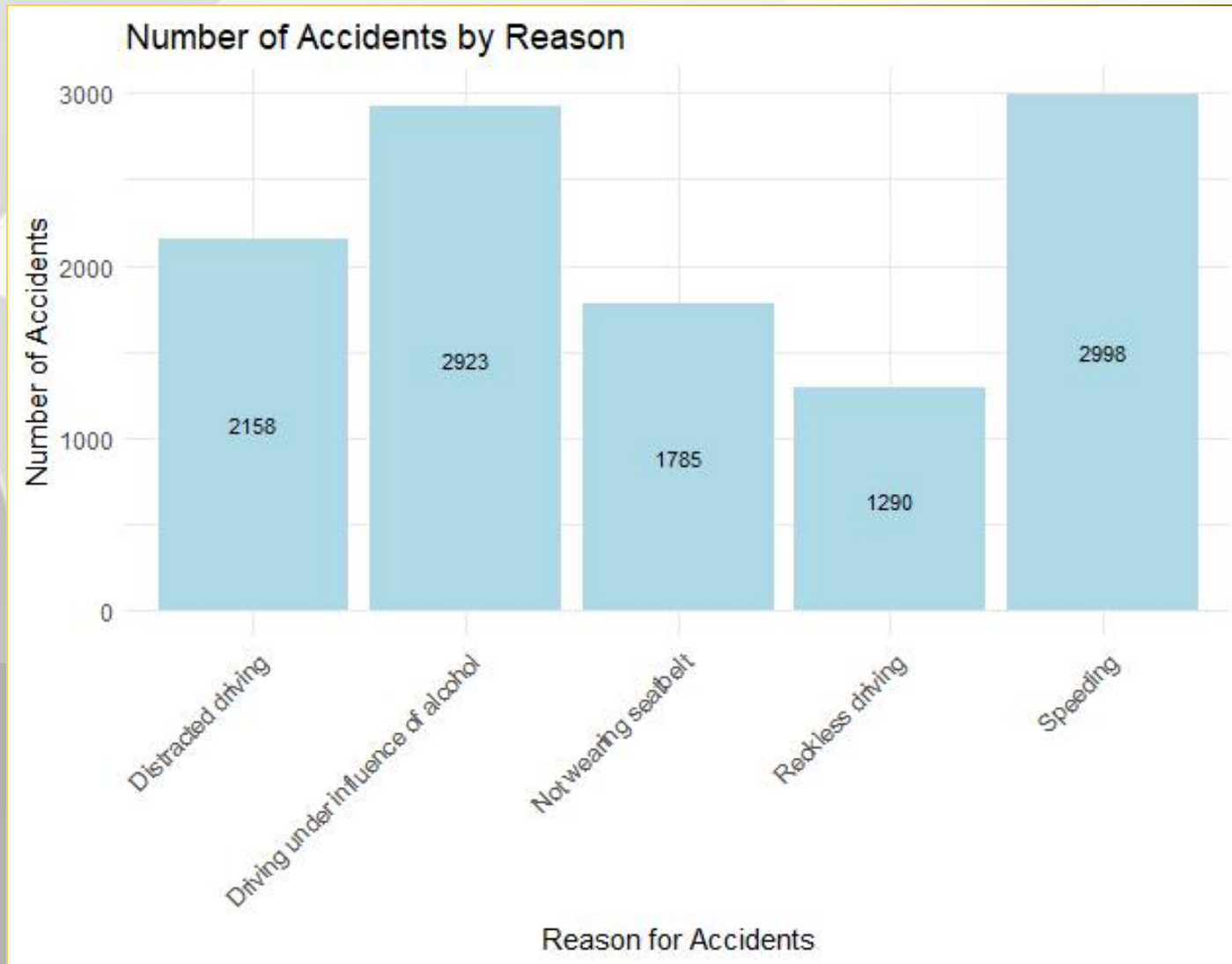
**33%**



Since 2018 we saw an increase of  
drunk drivers by: **8%**



## Reason for accidents data



Biggest reason for  
accident is:  
**speeding!!!**

## Reason for accidents by %



29.4%

### Speeding

Breaking speed limits in city and outside off the city.



### Reckles driving

Driving from one side of the road to another side, drifting.

14.8%



### Distracted driving

Using phone, eating, smoking, not focusing on road.

17.9%

### Driving under influence of alcohol

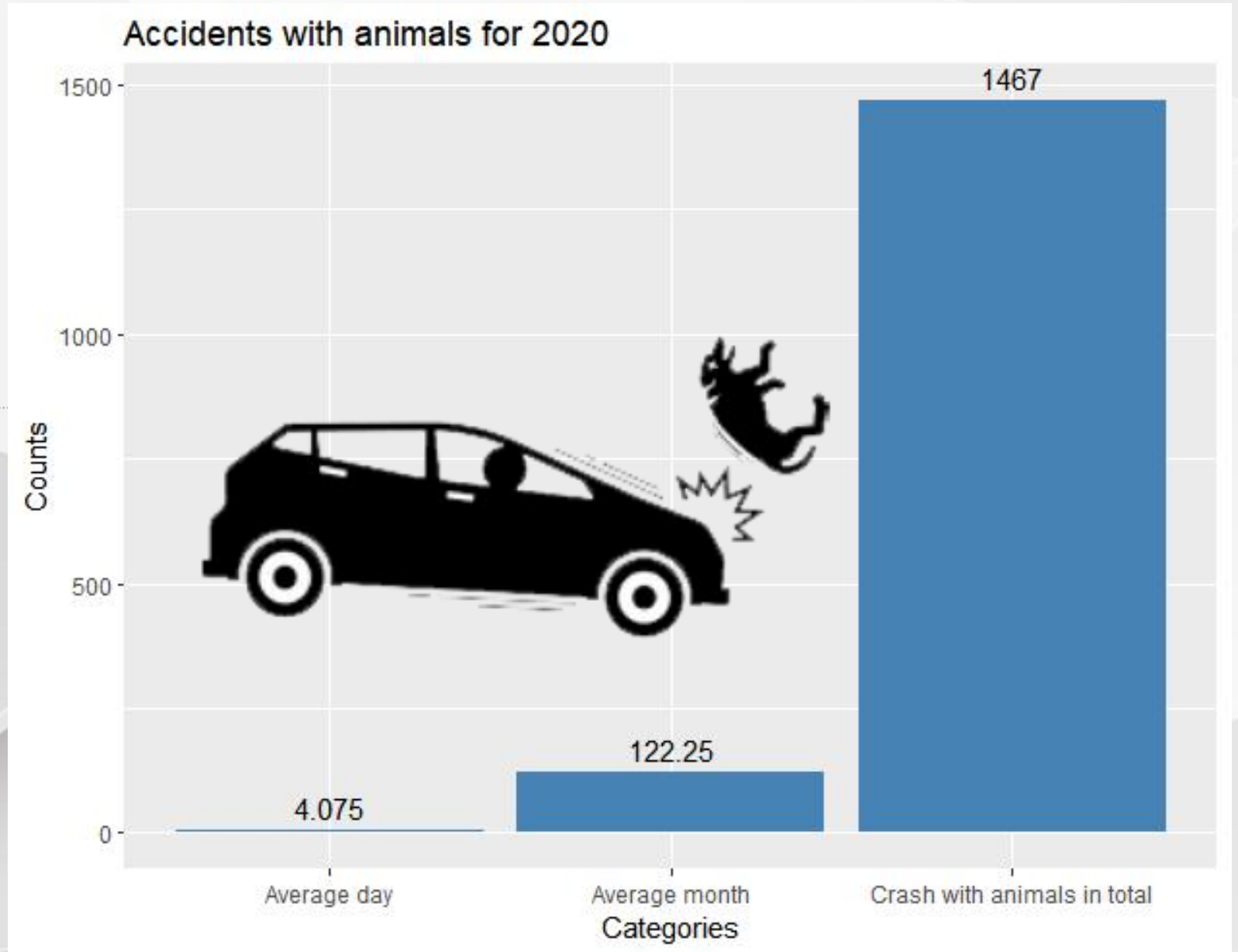
Having beer, vine, hard liqueurs.



23.2%

## CAUSE OF ACCIDENTS

**EVERY 6  
HOURS  
THERE  
WILL BE  
an animal  
hit by a  
car.**



# ***Alchol & Roads***

**all the nesseserry data you need to know**

All data has been provided by Slovak government

## What happens if you drink?

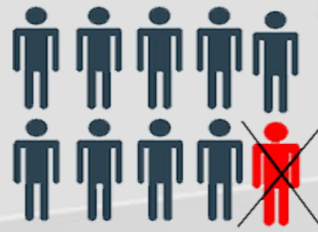
**EVERY  
6HOURS**

There is an accident  
involving drunk  
driver.



**1:10**

•One out of 10 times the  
driver will die.



**50%**

•Chance that he will kill or  
hurt someone.





# RECOMENDATIONS



## CREATE SOCIAL CAMPAIGN

Using Facebook, Instagram, TikTok, Youtube to create content to help drivers to be more focused on roads and don't break speed limits, get drunk, distracted by phones and other devices.



## AFTER MORE THAN 100mg/l taking the driving licence

Immediately taking a licence and let person to take it back after a period of 6 months. If it happens again take it permanently.



## Push on law to increase punishment

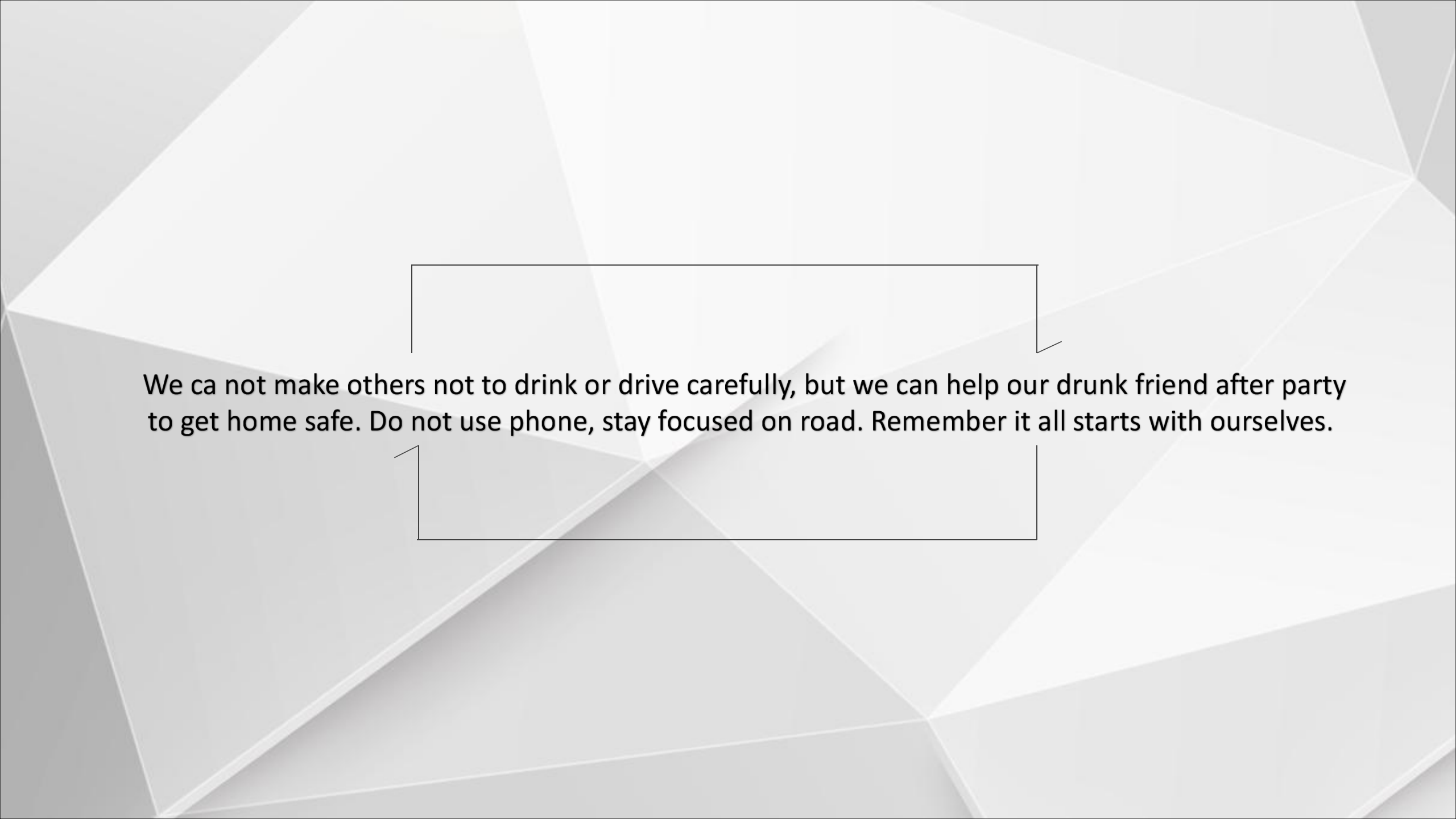
Increase the power of law and put punishment on drivers under influence of alcohol and speeding to get them to work 6 months without wage on cleaning roads and paying 2000 EUR bill.

# PURPOSE



Almost everyday we hear about drunk drivers or people speeding or reckless driving but if we cut the numbers down, we can have a safer roads and hundreds of people can be saved and thousands does not have to end up in the hospital.





We cannot make others not to drink or drive carefully, but we can help our drunk friend after party to get home safe. Do not use phone, stay focused on road. Remember it all starts with ourselves.



*THANKS*



## Resources:

- Link to Github:

<https://github.com/michaluhrinek/Data-Analyst---Portfolio-SQL-EXCEL-PYTHON-/tree/main/Google%20Data%20Analytics/Slovak%20Roads%20Accidents>

- Data were provided by Slovak government, police partment: <https://www.minv.sk/?statistika-1&rok=2012&mesiac=12>

## Languages used/tools:

- SQL( Microsoft SQL Management Studio), R (RStudio), Adobe Photoshop



Data were collected and edited in SQL using SQL Management Studio. Sorted in RStudio using R language and using ggplot visualizations were created. Using Adobe Photoshop(picture editing).