About this Project

Riding a motorcycle is about freedom, passion and life. But it is also about taken educated and calculated risks! Because, as many say: “motorcycles are too dangerous!” Right?

Our project attempts to shed light on several myths about the risks of riding motorcycles. We want to educate current and future motorcycles riders about the safest way to ride a motorcycle.

Here everybody, including new riders, old riders and skeptical risk adverse people that “would never ride a bike”, can learn about the conditions that generate the highest risks of getting involved in an accident while riding a motorcycle.

Our tools are ready to use, and they will let you to calculate the probability of getting an injury of a specific severity under certain conditions and by any specific day of the week.

Everyone can also learn a few actions that may considerably mitigate the risks of accident when enjoying a ride “Under Texan Sun”.

All based on analyzing true and reliable data from the Fatal Accident Report System (FARS).

So, let’s ride the data!

What we do?

We are normal people, but we are also data enthusiastic people and we want to shed light on common myths about the risk of riding motorcycles.

Some of us ride motorcycles and some of us are afraid of even trying.

We will try to predict the probability of having a determined injury in case you are involved in an accident.

We will also suggest the best days of the week to avoid potential severe injuries in case you are involved in an accident.

What is our process?

We search for the best reliable data source we can get

We clean and re-arrange the data to make it meaningful for our users

We use AI and ML to get you the best safe ride possible!!! Just play with the different factor

and get your safest answer!

Total Number of Accidents vs Year

The number of accidents increased from 1998 to 2008 increased 3.7 times

Since then the number of accidents has remained essentially flat around 800 a year

Type of injury

Analyzing the motorcycle accidents using the last 20 years aggregate it can be noticed that, once getting involved in an accident, there are three fatal scenarios out of five, in other words, almost 60% probability of getting killed. Tip: Best way is to avoid any accident!

Number of accidents by Day of the Week

Weekends seems to be the days where the accident occurrence increases since likely the number of riders also increases. Saturday is prevalently the day of highest accident occurrence.

Accidents vs Type of Intersection

There is a myth that point at intersections as the most dangerous situation in the road. This data validates the alternative view where 68% of accidents are *not* at intersections.

Accidents vs. Weather Conditions

Another myth points that the amount of accident increases when climatology conditions are different than clear day, in other words, during rainy, foggy and cloudy days. However, the data evaluated shows that over 90% of accidents occurred under a clear sunny day! So not be so sure of pulling hard that throttle when the almighty sun is bright and shine. Not be overconfident.

Accidents vs. Presence of Alcohol

Historical data support the fact that Motorcyclist are 2.4 times more likely to be involved in an accident if they are impaired by alcohol. Not drink and ride! You need your balance and your clear head to make the right decisions while riding a motorcycle.

Fatalities and Helmet use

There were almost 2,400 fatalities in Texas involving riding motorcycles without helmet in Texas during the last 20 years. We wonder how many of these fatalities could have been reported with a level of severity lower than death in the case the rider was using a helmet instead. Please let’s be smart and wear helmet when riding!