

# Chicago Car Crash



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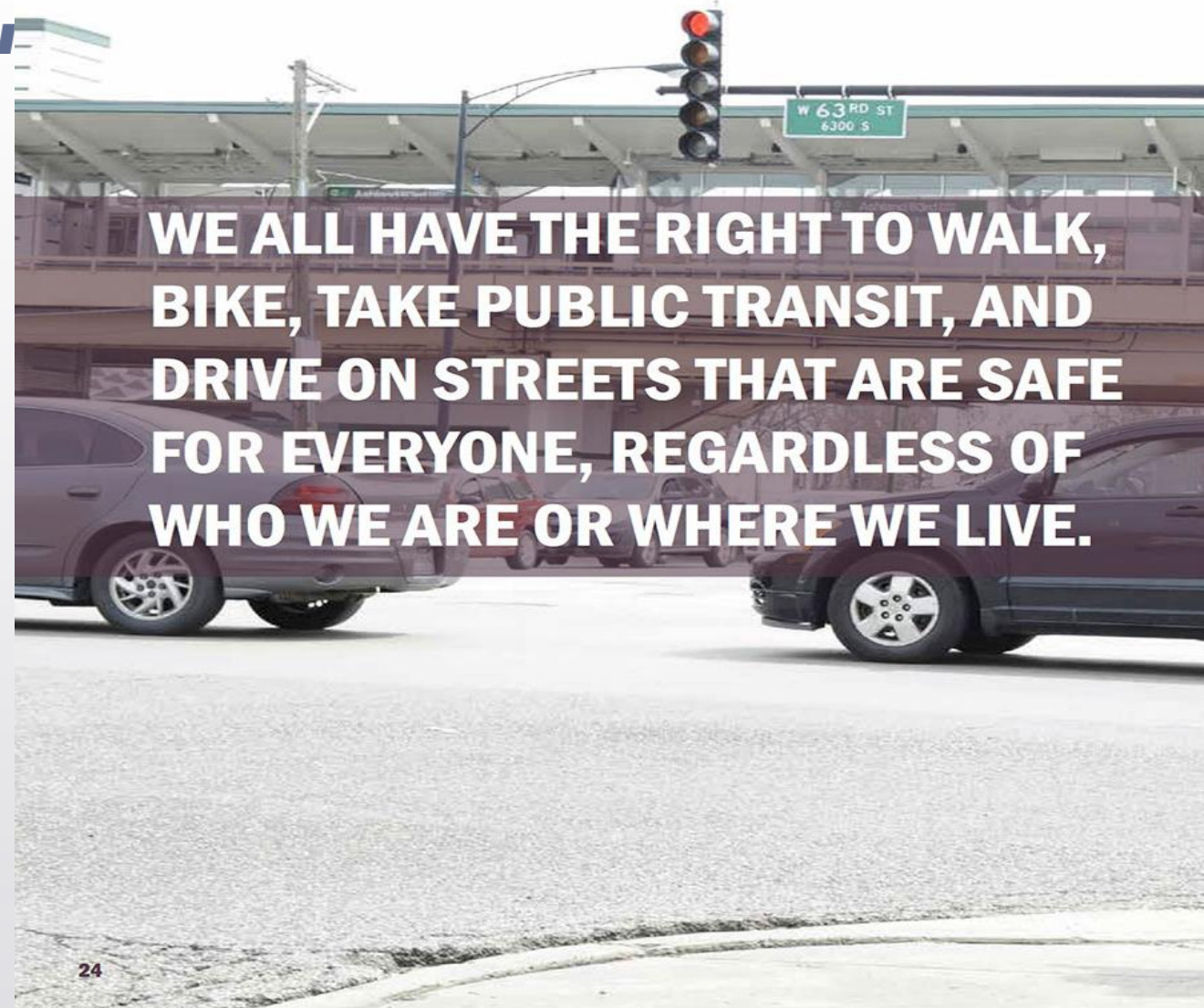
Pace: Part-Time



# Chicago Zero Vision

Chicago's drive to make the streets safer.


In 2017 Chicago started a campaign to eliminate traffic fatalities and serious injuries by 2026. Because of that pledge the city of Chicago has tasked me with trying to help them understand what is going on around them.





# Business Case:

What I am aiming to accomplish with this project is to determine whether the cause of an accident is because the driver was being negligent with their driving or not.

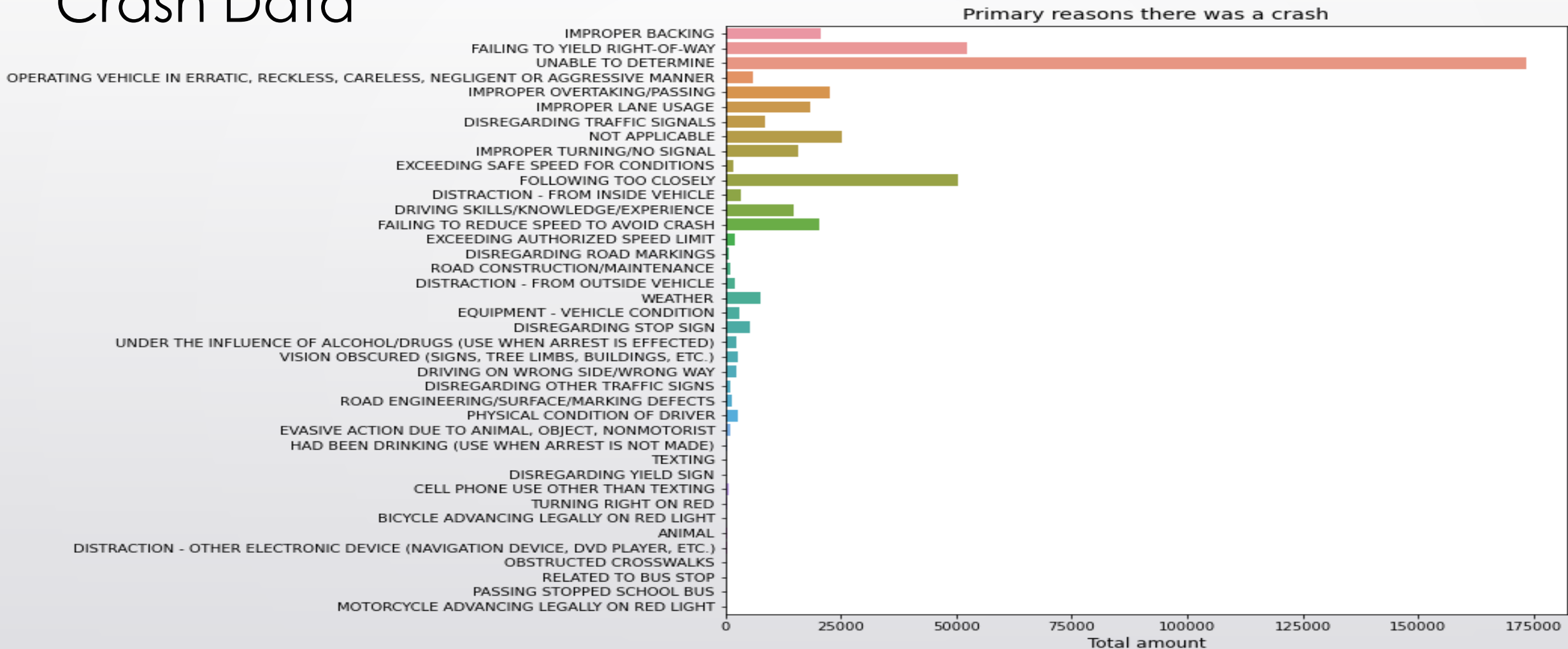


# How will I accomplish that and what is the success rate?

I am going to look at the crash data, persons data, and the vehicle data from the Chicago Open Data Portal.

My Model has been able to successfully predict 83% right.

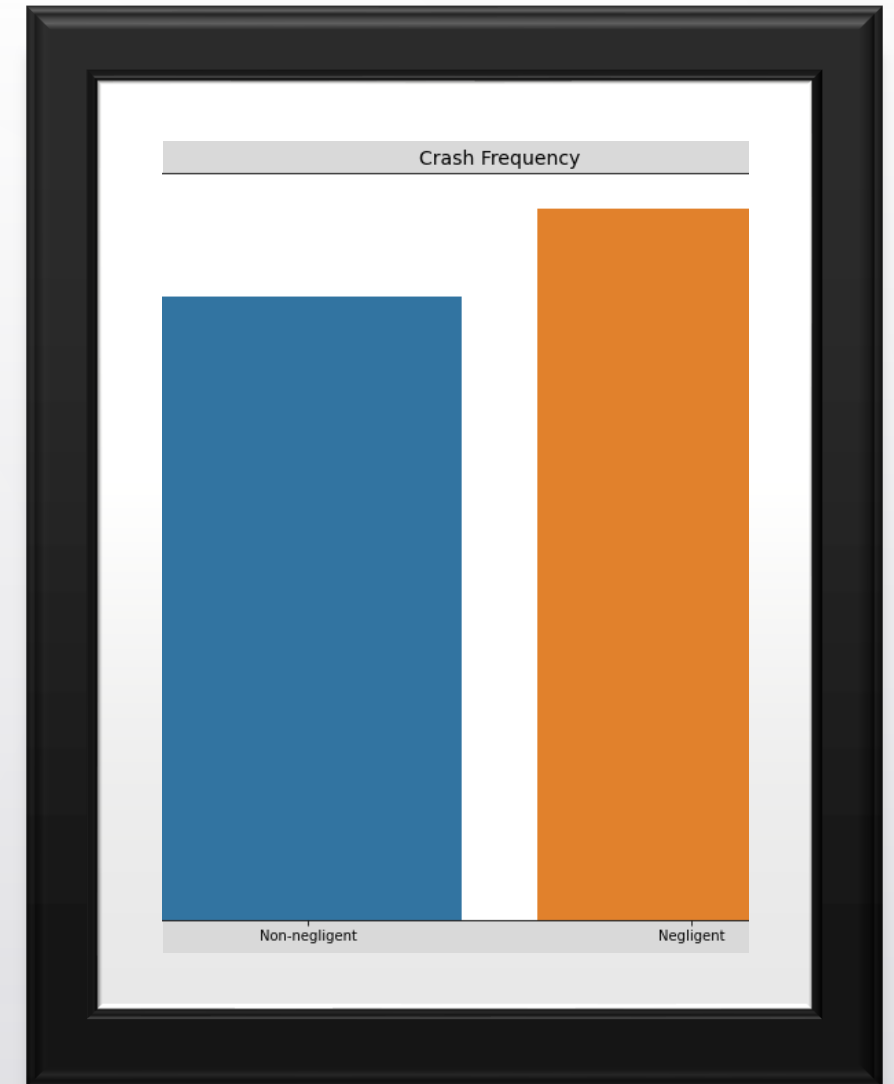
# Crash Data



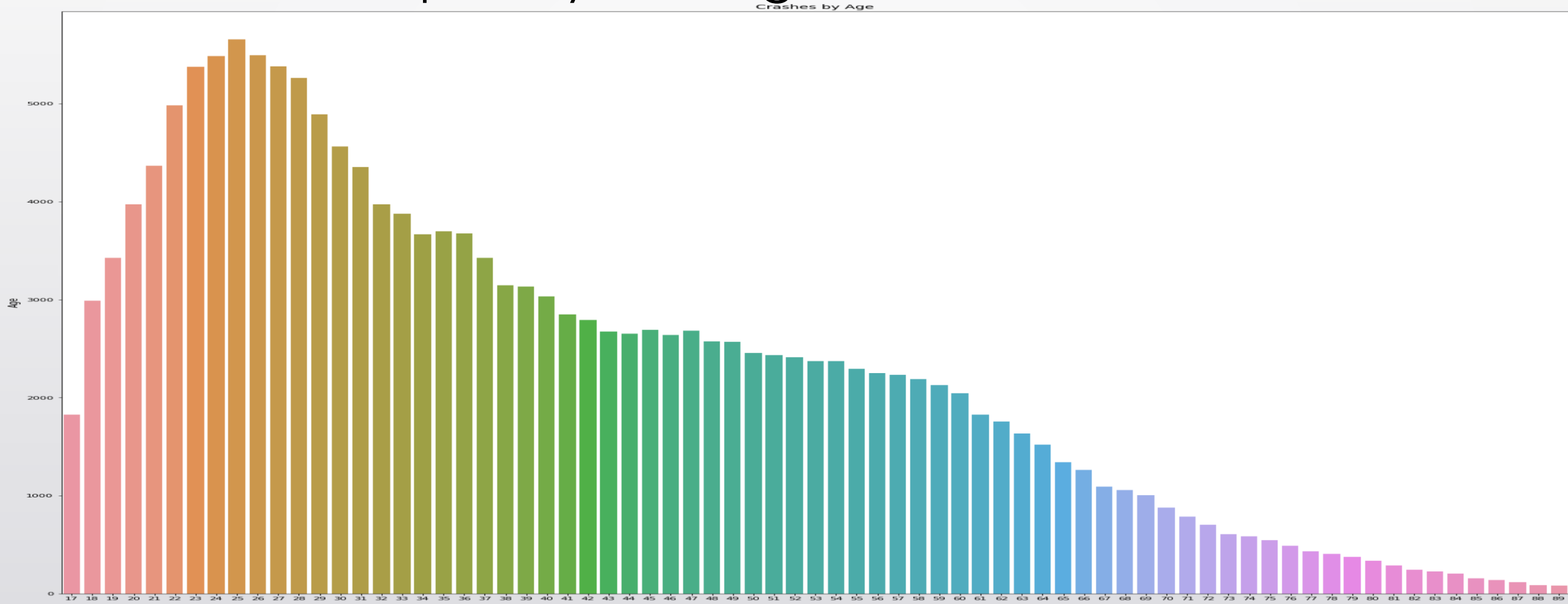


# Crash Frequency between negligent and Non-negligent

The negligent drivers seem to be higher than the non-negligent drivers

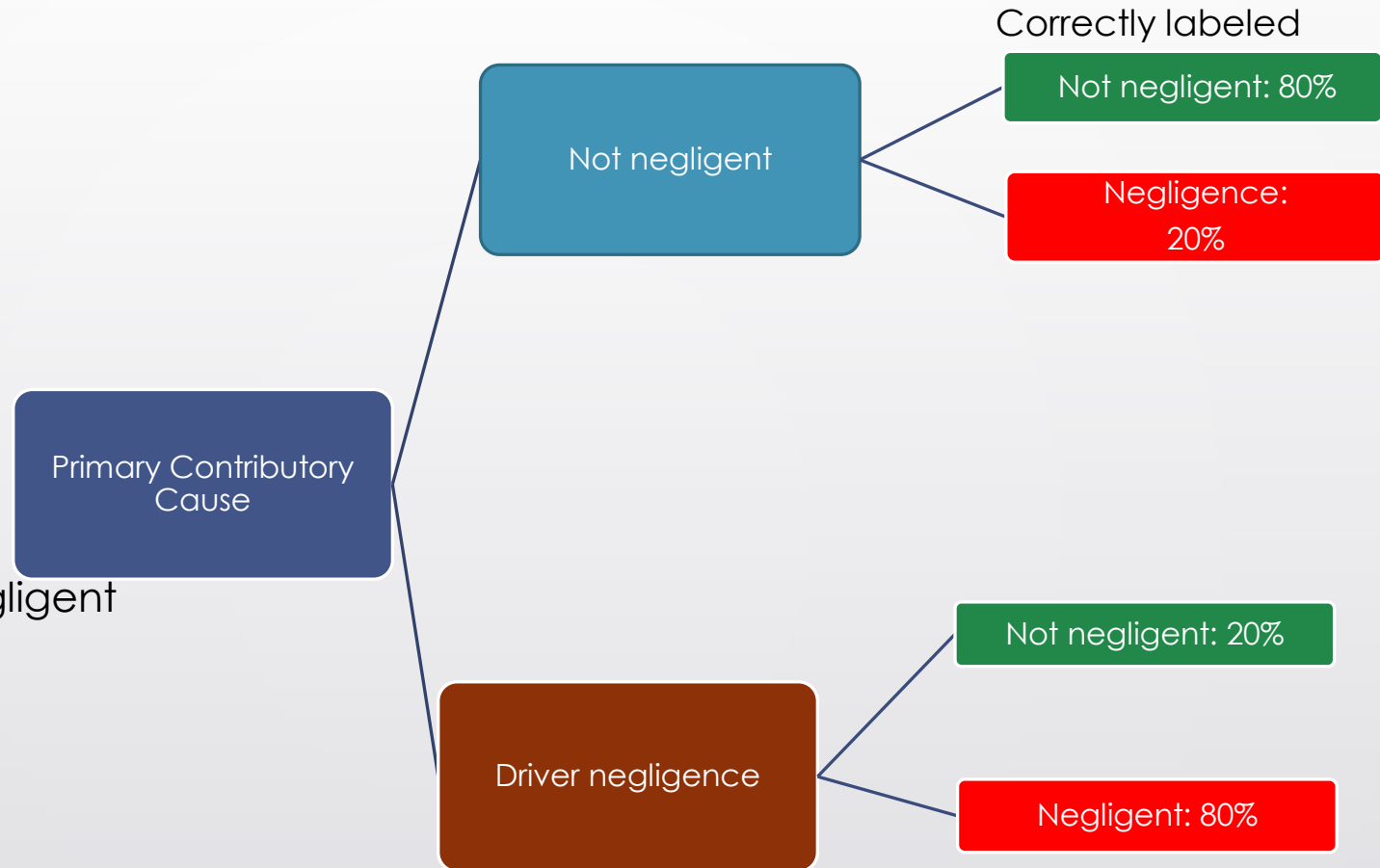


# Crash Frequency with age



## Model Results:

The model predicts two different things: Not negligent and Driver negligence.







## What I would recommend part 1

- I would recommend that the city of Chicago do a more intensive emphasis on teaching the young drivers how to safely drive on the road. That way as they get older, they will be less likely to get into a crash.



## Recommendations Part 2

- They could also make it to where everyone needs to take a defensive driving course that teaches everyone how to handle driving under extreme conditions.



## Future works

- Road conditions and weather
- Mapping locations
- Improve the model with more recent and updated data.





Thank You for your time!  
Questions?