# INTRO TO SELF-DRIVING CARS: JOY RIDE

## THREE PARTS

Part 1: get a simulated car to jump over trees
Part 2: get the car to drive around a circular track
Part 3: successfully parallel park the car

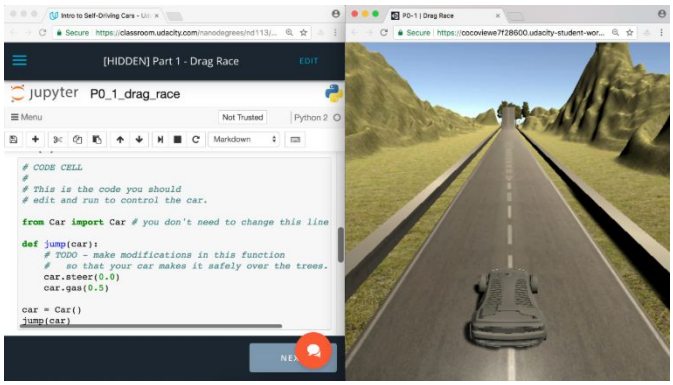
## BAYES' RULE

Named after Rev. Thomas Bayes

Allows for the possibility of an uncertain world, and necessity of exploring the world to gather information to inform decisions

## PART 1: DRAG RACE

Get familiar with the programming interface and car simulator by modifying code so that the car can jump over a grove of trees

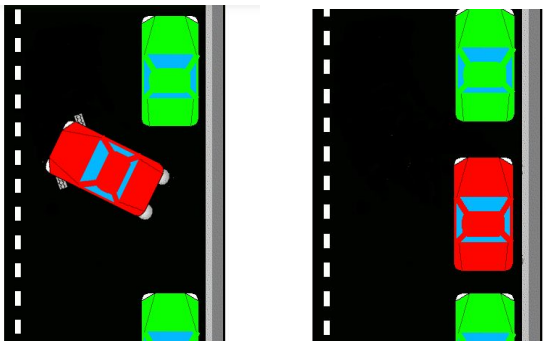



## PART 2: CIRCULAR TRACK

Explore the relationship between steering angle and turning radius by modifying code so that the car can drive around a circular track without falling off the edge

## PART 3: PARALLEL PARKING

Modify code that strings together a sequence of tasks to successfully parallel park your simulated car in a line of other cars, without hitting any of the other cars



## PYTHON FUNCTION STRUCTURE

```
def greet_user():
    # Display a simple greeting
    print("Hello world!")

greet_user()  # prints "Hello world!"
```

## REFERENCES


- Bayes Rule Wikipedia