

According to the speed limit of each street and the driving distance between actual addresses of a and b, we can model a ride from a to b. Also, we can add other attributes such as real-time road conditions and weather, making the model more realistic. The result of the model will present riding time and miles. We can depend on this to determine whether it's profitable for a car like Uber to take passengers.

To determine the current location of vehicles, we can use latitude and longitude to precisely calculate current location. We also can add attributes such as speed limit to predict their location in the next few seconds. For example, if a car is in highway, we can use latitude and longitude plus speed limit to determine the location more accurately.