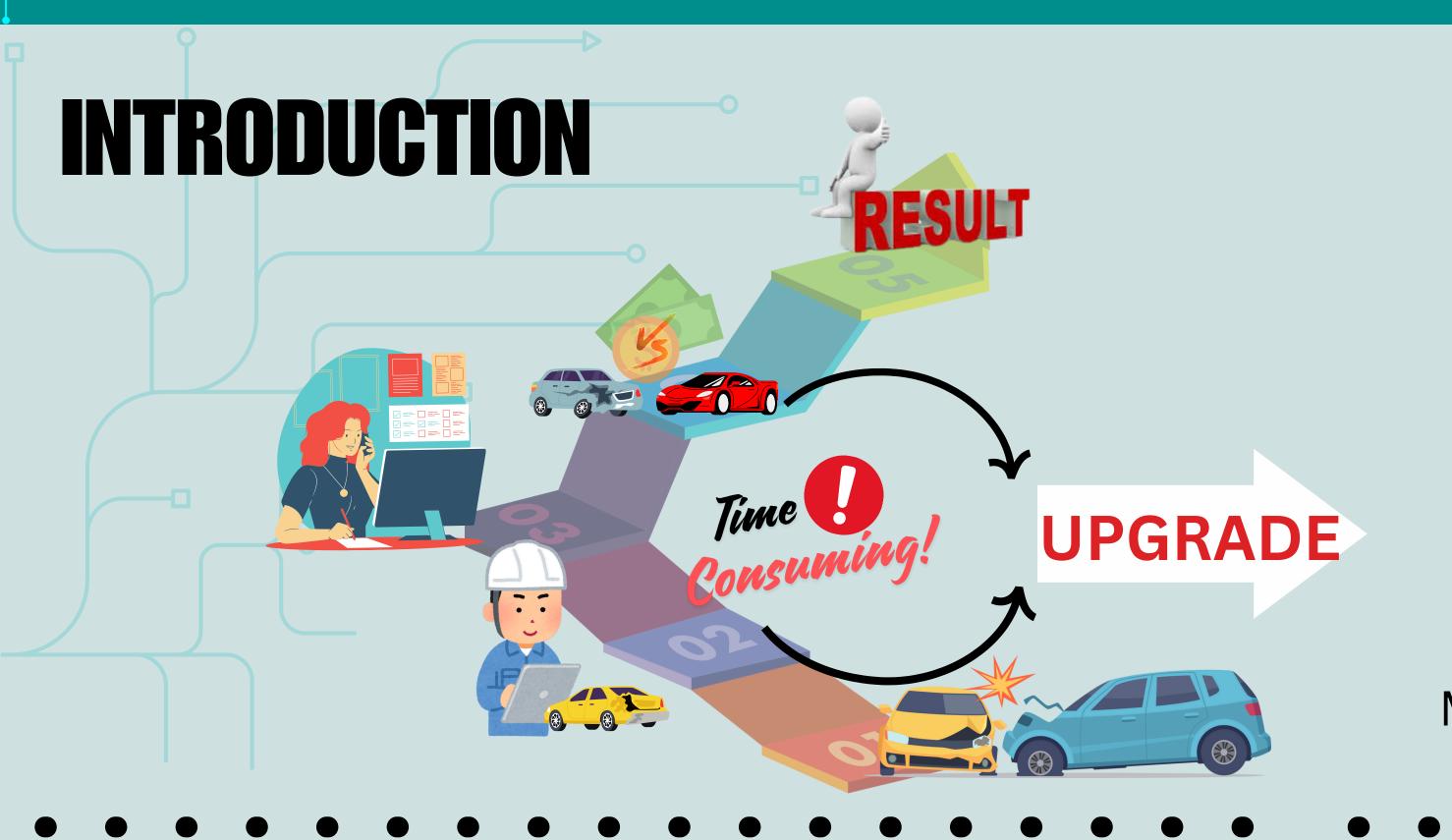
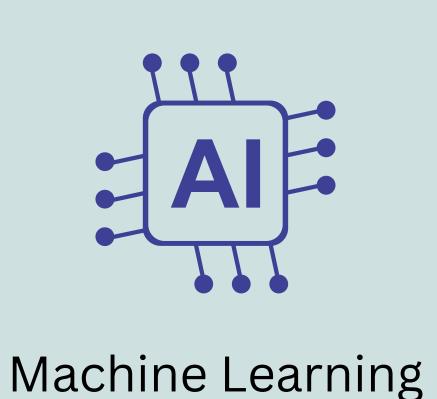
REVOLUTIONIZING AUTO INSURANCE WITH

AI-DRIVEN PREMIUM CALCULATION



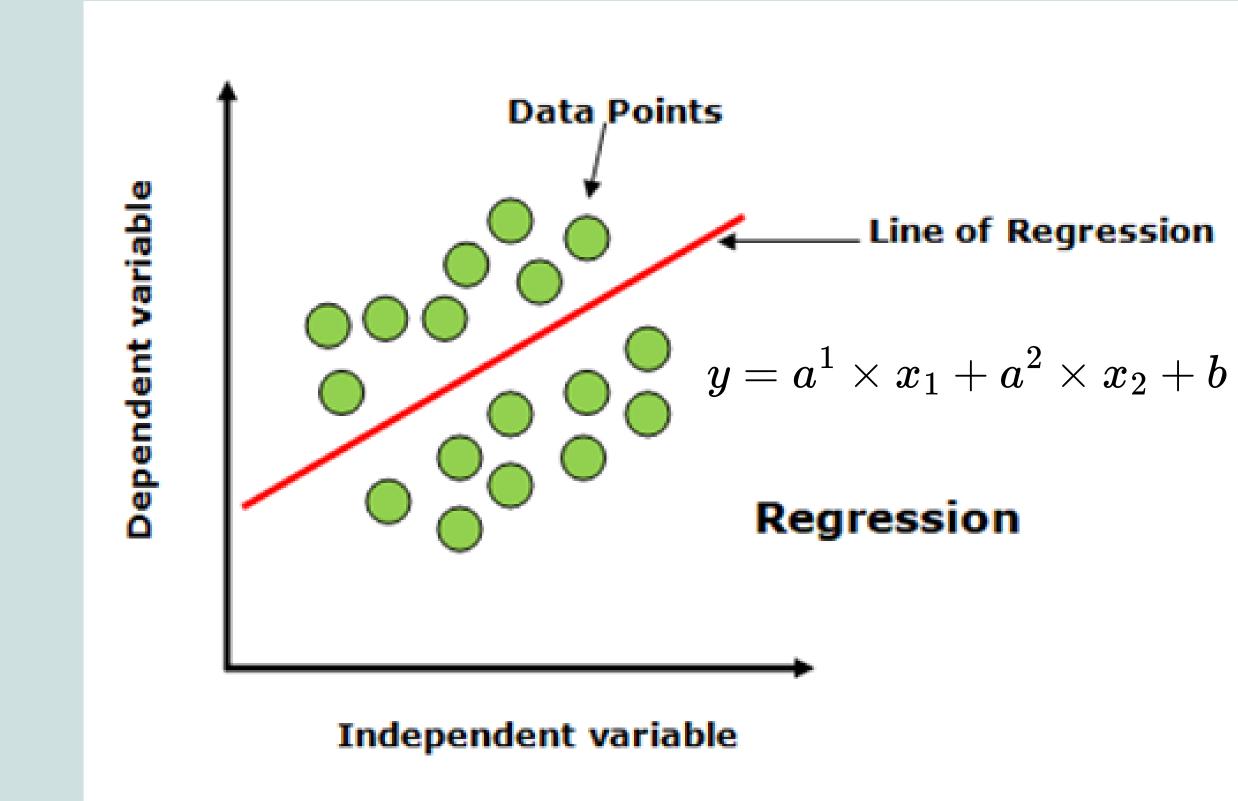


OBJECTIVE

- 1. Building the linear regression
- model
- 2. Collecting data for use in modeling
- 3. Developing car price calculator
- app

DATA & METHOD

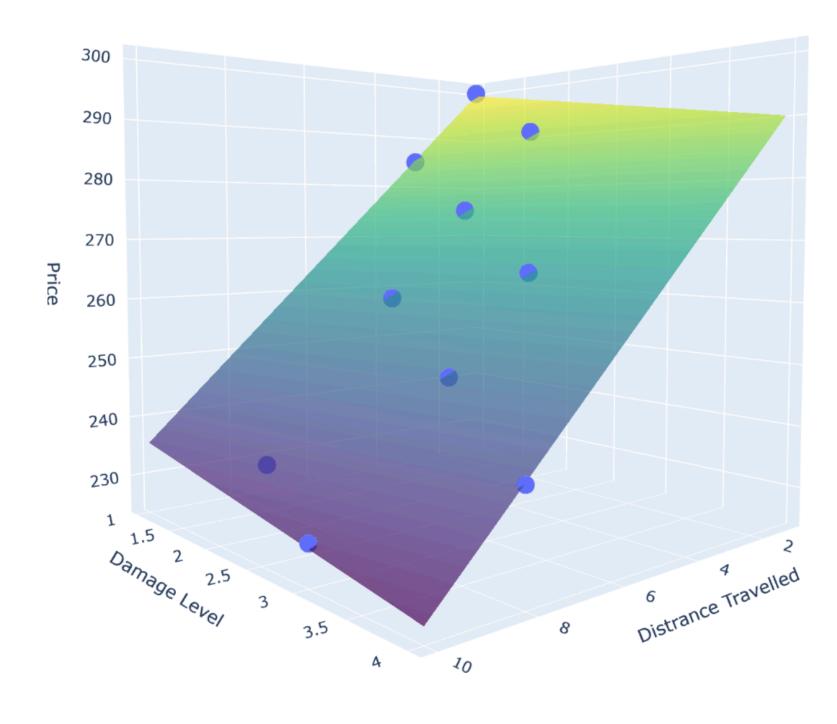
- Collecting data from online car buying and selling websites.
- The goal is to find the coefficients a¹, a², b for each data set (each vehicle type)
- Use the scikit-learn package and tkinter with the python programming language to build the model and graphical user interface.



RESULTS

Model

- From data for each car model, the linear regression models is used to obtain equation coefficients.
- These coefficients is used as "input" of application

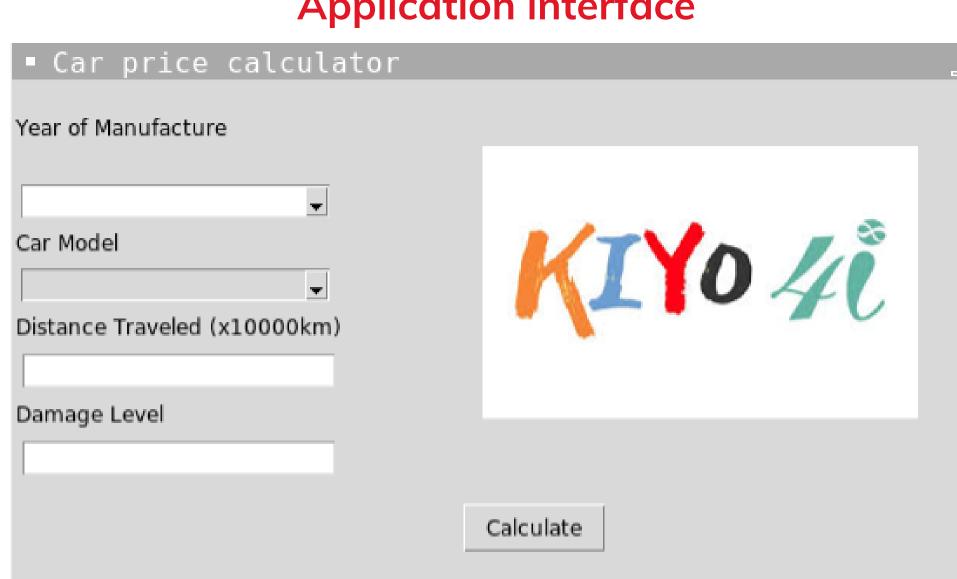


3D graph shows the linear regression plane

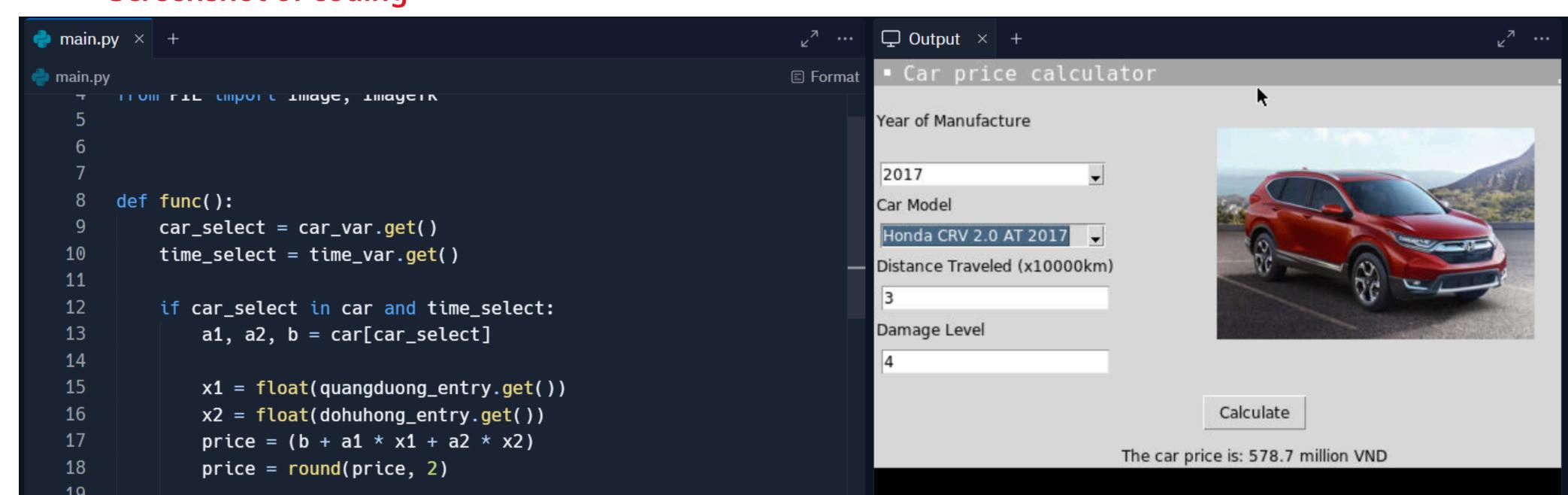
How to use application

- Select the car's year of manufacture and the car version.
- Enter the distance the car has traveled and the level of damage.
- Press calculate and the car price will be displayed

Application interface



Screenshot of coding



CONCLUSION

Our app makes it easy to find out what a used car is worth. We use real data and a smart model to predict a fair price, helping both buyers and sellers make good decisions. This also helps car insurance companies offer accurate quotes.

FUTURE DEVELOPMENT

- Improve our app by adding more features, such as the car's color and where it was used.
- Make the app even easier to use.