Project Proposal
Avocado Prices

This project represents the price of avocado over the week, and the purpose is to predict the future price of avocado based on the product number and assign if the avocado is conventional or organic.

- **Design:** reviews the avocado prices in detail, it presents to the people who love avocado and make it easier for them to enjoy with cheap avocados.
- **Data:** dataset containing 18249 observations on 14 variables. the numerical column names refer to price lookup codes.
  1. Small Hass.
  2. Large Hass.
  3. Extra-large Hass

Features:

`Date` - The date of the observation.
`AveragePrice` - the average price of a single avocado.
`type` - Conventional or organic
`year` - The year.
`region` - the city or region of the observation.
`Total Volume` - Total number of avocados sold.
`4046` - Total number of avocados with PLU 4046 sold.
`4225` - Total number of avocados with PLU 4225 sold.
`4770` - Total number of avocados with PLU 4770 sold.

- **Algorithms:**
  - **Models used:** Linear Regression.
- **Tools:**
  - **Environment**: Jupyter Notebook.
  - **Programming Language:** Python.
  - **Libraries:** Pandas, Numpy, Sklearn, Seaborn, Matplotlip.
  - **Other:** Multiplayer Perceptron (MLP).

MVP:

- Prepare the environment.
- Import all libraries and dependences.
- Load **avocado.csv** dataset.
- Apply MLP.
- Measure product number and outcomes.

A sample of the future form:
Will help the customer to assign the avocado's price and type. (an initial sample)