**Introduction**

In this notebook I use the preproccessed data set on absenteeism provided by 365 careers on udemy.com. This end of course assignment was given to showcase everything that was taught during the Data Science Bootcamp. In this notebook I standardize the data, create a custom scaler, split the data and create a Logistic regression using sklearn, After I test the model accuracy and pickle the model and scaler.

**Table of Content**

1. [Import Relevant libraries](http://localhost:8888/notebooks/Desktop/Absenteeism%20-%20Predictor/Logistic%20Regression%20Code.ipynb#cell1)
2. [Load the data](http://localhost:8888/notebooks/Desktop/Absenteeism%20-%20Predictor/Logistic%20Regression%20Code.ipynb#cell2)
3. [Creating the target](http://localhost:8888/notebooks/Desktop/Absenteeism%20-%20Predictor/Logistic%20Regression%20Code.ipynb#cell3)
4. [Standardize the data](http://localhost:8888/notebooks/Desktop/Absenteeism%20-%20Predictor/Logistic%20Regression%20Code.ipynb#cell4)
5. [Splitting](http://localhost:8888/notebooks/Desktop/Absenteeism%20-%20Predictor/Logistic%20Regression%20Code.ipynb#cell5)
6. [Logistic Regression with sklearn](http://localhost:8888/notebooks/Desktop/Absenteeism%20-%20Predictor/Logistic%20Regression%20Code.ipynb#cell6)
7. [Testing Accuracy](http://localhost:8888/notebooks/Desktop/Absenteeism%20-%20Predictor/Logistic%20Regression%20Code.ipynb#cell7)
   * Coefficient and Intercept Summary Table
   * Hyper Paremeter Tuning
8. [Saving Model](http://localhost:8888/notebooks/Desktop/Absenteeism%20-%20Predictor/Logistic%20Regression%20Code.ipynb#cell8)