**Read Me**

1. The dataset is available as attrition.csv. (To be downloaded by students from [kaggle.com](http://kaggle.com/)). URL: <https://www.kaggle.com/pavansubhasht/ibm-hr-analytics-attrition-dataset>

2. The project description document is available as attrition.doc

3. The solution is available in detail as attrition.ipynb (to be opened using Jupyter)

4. The HTML version of the solution is attached for your ready reference. (can be viewed by anybody with a browser)

**Employee Attrition Prediction**

Log into Kaggle and download the dataset for IBM HR Analytics Employee Attrition & Performance

Data contains differnet attributes of an employee and the target variable *Atrition*. *EmployeeNumber* is the primary key. We use this dataset to predict employee churn.

Data definitions for categorical variables:

Education 1 'Below College' 2 'College' 3 'Bachelor' 4 'Master' 5 'Doctor'

EnvironmentSatisfaction 1 'Low' 2 'Medium' 3 'High' 4 'Very High'

JobInvolvement 1 'Low' 2 'Medium' 3 'High' 4 'Very High'

JobSatisfaction 1 'Low' 2 'Medium' 3 'High' 4 'Very High'

PerformanceRating 1 'Low' 2 'Good' 3 'Excellent' 4 'Outstanding'

RelationshipSatisfaction 1 'Low' 2 'Medium' 3 'High' 4 'Very High'

WorkLifeBalance 1 'Bad' 2 'Good' 3 'Better' 4 'Best'