## Read Me

## Predicting Employee Attrition

Uncover the factors that cause employees to leave the organization and explore important questions such as ‘compare average monthly income by education and attrition’ or ‘is distance from home a case for attrition’?

Build classification models to predict which employee is likely to churn and help the business to devise policies and attract back the right talent.

## Solution Approach

1. Data Imported in R Environment
2. Performed Cleansing operation
3. Analyze Data Distribution
4. Data Segregated to Test and Train set
5. Performed Below Machine Learning Operations

* Logistic Regression
* Logistic Regression over selected features
* Logistic Regression with oversampling of negative class
* Decision Tree Algorithm

Different Algorithm Applied to Improve performance and able to find best fit model according to the customer requirement.

Tools Used: R studio

## Files Attached

AttritionReadme.docx/Attriton.csv/AttritionCode.R/Attrition\_Project\_CodeExplanation.docx

Attrition\_Data: Attriont Data in CSV format

AtrritionCode: Code File