**Date: 12/6/21**

**Team Name:** Grumpy Grinches

**Leader Name: Cesar O**

HR Attrition & Performance

**Daily Goal:**

**Clearly state your objectives for the day in 3-6 sentences.**

**Member Name: Megan**

**Done:**

* + - **Create pie chart for attrition (general)**
    - **Create histplots comparison for features for attrition**

**To-Do:**

* + - **Continue working for histplots**

**Member Name: Johan**

**Done:**

* + - **EDA Analysis**
    - **NAN plot for dataframe**

**To-Do:**

* + - **Scatter plot and linear for continuous features**
    - **Investigating ensemble**
    - **Tableau**

**Member Name: César**

**Done:**

* + - **Function removes unnecessary cols**
    - **Function applies onehot encoder to object dtypes**
    - **LabelBinarizer to feature attrition**
    - **Set up DecisionTreeClassifier**
    - **Test accuracy, class\_report, confusion train and test for DecisionTree**
    - **Studying AdaBoost with xgboost**

**To-Do:**

* + - **Studying AdaBoost with xgboost?**
    - **Investigate ensemble**
    - **Implement ensemble**

**Date: 12/7/21**

**Team Name:** Grumpy Grinches

**Leader Name: Cesar O**

HR Attrition & Performance

**Daily Goal:**

**Clearly state your objectives for the day in 3-6 sentences.**

**Member Name: Megan**

**Done:**

**To-Do:**

* + - **Investigate residual analysis (for regression)**
    - **Investigate how to plot residual analysis if (applied)**

**Member Name: Johan**

**Done:**

**To-Do:**

* + - **Plot categorical features**
    - **Investigating ensemble**
    - **Tableau**

**Member Name: César**

**Done:**

* + - **Create function print for classification models scores**
    - **Implement RandomForest and Bagging with ensemble**
    - **Plot most important features with RandomForest**
    - **Xgboots and Gradient Boosting classifiers**

**To-Do:**

* + - **Investigate TPOT**
    - **Investigate ensemble of ensemble**
    - **GridSearch for DecisionTree**
    - **Figure out which features weight more**
    - **Studying AdaBoost with xgboost?**
    - **Play with different hyperparameters**
    - **Organize models in one single test**

**Date: 12/8/21**

**Team Name:** Grumpy Grinches

**Leader Name: Cesar O**

HR Attrition & Performance

**Daily Goal:**

**Clearly state your objectives for the day in 3-6 sentences.**

**Member Name: Megan**

**Done:**

* + - **Investigate residual analysis (for regression)**
    - **Boxplot outliers**

**To-Do:**

**Member Name: Johan**

**Done:**

* + - **Barplot by gender**
    - **Investigate ensemble**

**To-Do:**

**Member Name: César**

**Done:**

* + - **Scatterplot and histplot attrition**
    - **Barplots department, overtime, jobinvolment and performance rate**
    - **Barplot features weight more**
    - **SMOT**

**To-Do:**

* + - **Fix TPOT**
    - **Plot tree with graphviz**
    - **Remove outliers**
    - **Fix gxboots**
    - **Power porint presentation**
    - **Understanding ensemble of ensemble**
    - **GridSearch for DecisionTree**
    - **Still play with different hyperparameters**
    - **Still Organize models in one single test**
    - **Tableau**

**Date: 12/9/21**

**Team Name:** Grumpy Grinches

**Leader Name: Cesar O**

HR Attrition & Performance

**Daily Goal:**

**Clearly state your objectives for the day in 3-6 sentences.**

**Member Name: Megan**

**Done:**

* + - **Barplot and pie chart for Attrition**
    - **Tableau**
    - **PowerPoint**
    - **Run DecisionTree model**

**Member Name: Johan**

**Done:**

* + - **Plot by Gender**
    - **Education**
    - **Department**
    - **Distance From Home**
    - **Run RandomForest model**

**Member Name: César**

**Done:**

* + - **Scatterplot and histplot attrition**
    - **Barplots department, overtime, job involment and performance rate**
    - **Barplot features weight more**
    - **SMOT**
    - **Still Organize models in one single test**
    - **Create dataframe for**

**To-Do:**

* + - **Fix TPOT**
    - **Plot tree with graphviz**
    - **Remove outliers**
    - **Fix gxboots**
    - **Power porint presentation**
    - **Understanding ensemble of ensemble**
    - **GridSearch for DecisionTree**
    - **Still play with different hyperparameters**