

## People's Analytics Project

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This document contains the information on how the People's Analytics project has been organized.

The whole project has been divided into the following parts:

1. Exploratory Data Analysis.
2. Data Preparation for predictive modeling.
3. Implementation of tree based methods for feature selection.
4. Implementation of Artificial Neural Nets for binary classification.

The exploratory data analysis has been done in the following notebook in the zipped folder.

1. Applicants-EDA
2. Compare-positions
3. Hiring Decision Analysis
4. position\_map
5. Round2 - Reviewers - Ranking Correlation

**Note:** The data for the EDA can be found at “. /Data/input”.

The predictive modeling tasks have been accomplished in the following notebooks in the zipped folder:

1. People's Analytics-Data Preparation (Data Preprocessing).
2. People's Analytics-Machine Learning (Implementation of tree based methods for feature selection).
3. People's Analytics-Neural Nets (Implementation of Artificial Neural Nets for final predictive modeling).

**Note:**

The preprocessed data for machine learning and neural nets can be found at “./Data/final.csv” and “./Data/PeopleAnalyticsCleandata.csv”.

The feature’s importance of different input variables can be found in “./Data/featureImp.csv”