Assessment – Machine Learning (Python)

This assessment is meant to assess the candidate's familiarity with machine learning concepts, the usage of Python within a Jupyter environment and the application of analytical algorithms/concepts within the business domain.

You have been provided with a dataset from the human resource database of Company X with 1,470 records (i.e. "Dataset - Human Resource.csv", see email attachment). Please complete the following steps within a Jupyter notebook and ensure that all steps are appropriately commented/documented:

1. Review the dataset provided
2. Propose a possible analytical approach that Company X could use to derive useful insight from the data
3. Perform the necessary data cleaning and wrangling on the provided dataset
4. Execute the analytical approach
5. Provide any meaningful insights from the analysis

Following deliverables are to be sent via email to the test administrator
- Jupyter Notebook using Python language