Assignment No. 2

January 31, 2018

Task A

*According to data located **here**, please apply the following required actions.*

- Feature engineering (at least select 8 variables + Churn variable)
- Missing values treatment
- Label encoding
- Standardization
- Please make an UI to make user able to:
    - Choose the algorithm like (Logistic regression, KNN, Decision tree or random forest)
    - Click button to train and get model evaluation score metrices.
    - Input the test data to predict it as we learned before like (gender, total charges….) to predict the probability of churn.

Notes

- Feel free to use any language (Python or R) (Flask or Shiny dashboard)
- This assignment will be scored and reported to NTI.
- The assignment will be delivered via mail and the ***deadline will be Saturday 3 Feb 2019 at 9:00 AM*** any submit after this deadline will be scored with ***Zero***.
- The assignment will be a repository on your GitHub profile
- Please send the repo link to sayed.ali@analyticspatrols.com with subject ***"NTI Data Science – Your Name"***