

# Data Science Assignment

## Objective:

The objective of this assignment is to develop a data science solution for detecting fraudulent transactions using a synthetic transaction dataset.

## Dataset:

<https://www.kaggle.com/ntnu-testimon/paysim1>

## Deliverables:

We want to understand the way you tackle this problem. We are though conscious we need to have an iterative approach, thus we are looking for a working prototype.

- Share your code on GitHub (or any other similar platform) for us to understand your approach and test your solution.
- Show all steps of your approach, include descriptions and visualizations wherever applicable.
- Add a readme file explaining your logic, conclusions, and possible future directions to improve solution.

## Notes:

- It is highly encouraged to use Python for programming.
- Bonus for packaging your solution (you may try PyInstaller)/building a dashboard of any kind.
- Keep it simple and practical.