

DATA SCIENTIST CHALLENGE

Welcome to the Neural Design challenge for Data Scientists designed for Nala. From your CV/LinkedIn profile, we know that you say that you love data and machine learning.

In this challenge, we want to test your ability to: make decisions regarding what to do and how to do it. Not only in terms of machine learning and all the technical topics, but also in terms of impacting the business!

Imagine you're already a crucial part of Nala's team and that many business decisions depend on the input you provide.

Please follow the instructions:

- Download the following file:

<https://drive.google.com/file/d/15wZSV6uxR4ASnGH1GOc1asTgpHPJZsF3/view?usp=sharing>

The challenge is to:

- EDA: Explore the data and present a thorough analysis
- Propose a categorization of the different customers
- Build a model that is capable of detecting fraudsters
- Put this model into production (locally or preferably in the cloud)
- Explain how good your model is, which are the most important features, and how the values of the variables influence in the model
- Explain the trade-off of using your model to detect fraudsters
- Push the project to a repo and share this with us. **Include instructions and the packages to make the system replicable**
- Share your most valuable insights of the data and the evidence of the model in production

You won't be evaluated by how good the model performs. Don't waste your time there.

Nala's and Neural Design's team wish you the best of lucks!