Hi there, here is your case

February 2024

bit

This case forms the input for your presentation. We are keen to find out more about your insights, way of thinking and your skills. There’s no right or wrong in your answers. This assignment is both for you and us to see if we could be a match.

You’ve got one lifeline: you can call/mail/Whatsapp Mirko to ask questions and find answers.

Mirko

mirko@wearebit.com

+31 634 77 23 56

Please send the completed assignment at the indicated deadline and as instructed in the accompanying email.

Before we get started 🚀

bit

Case

Introduction

The police has asked Bit for helping out with one of their biggest problems: Detecting Fraud. They have analyzed data of multiple computers but they can’t seem to find out the patterns between fraud and no fraud. That is where you come in! The police provided you with an anonymized dataset to see if we can predict if someone has committed fraud or not. Your goal is to not only make a model, but also be able to understand what is happening under the hood!

bit

Assignment

You will be provided with an anonymous dataset concerning privacy sensitive information of a users laptop. From this dataset, the goal is to predict if this person performs fraud or not. You will use the dataset to make predictions.

We recommend to start as follows:

1. Import the train CSV-file and make some visualizations to get a feel of the data.
2. Choose your model.
3. Think carefully about how you define your inputs and targets.

Requirements of the program are:

- Code must be written in Python 3.
- Code must be executable from a main.py.
- Visualization of the data and performance of the model(s)
- Explanation about preprocessing and model(s) in comments.

What you have to deliver:

- Code for preprocessing, modelling, testing and visualization in a zip-file.
- Report on the data including visualization (can be an exported notebook)

bit

That´s it,
let´s chat

bit Prototyping futures