Data Scientist: Coding Challenge

This coding challenges are inspired by real projects in our team. We like to give you a chance to experience the kind of data and problems we work on. On the other hand, we like to get an impression from your working and coding style.
We prepared two challenges for you to choose from.

The Challenges

In this challenge, you are presented with two datasets:

1. Handling gaps in time series dataset from temperature readings for the development of anomaly detection algorithm.
2. Customer lead generator
The columns 'b_in_kontakt_gewesen', 'b_gekauft_gesamt' will help you to identify the training data and the labels.

Please, select on challenge. Critically examine the dataset of your choice while paying attention to data problems such as missing data or small sample size. If the data inspires you, please, feel free to formulate your own project and its possible solutions.

Please note that we are interested in getting to know how you approach the problem more than in the actual results. We respect that you have a busy life, so please focus on quality over quantity. We expect that this challenge will not take more than 3-6 hours of your time.

Remarks

1. We provide you a python code template
2. Explain your code and results (using inline code documentation)
3. Please state and explain simplifying assumptions, you may make
4. Please remember testing

Deliverables

Provide your results/ code via

- link to your git repository (e.g. github or bitbucket)
- link to your file share account (e.g. dropbox, ondrive)
- in case both options do not work with you, please let us know by eMail

Have fun!!!