

Python data science

Nicolas Rousset

Monday, 21st of November

Presentation of the trainer

Nicolas Rousset

- freelance / trainer in web / data-science
- engineer from ecole polytechnique
- 16 of experience in various structures :
 - R&D team of big energy group
 - small american start-up
 - teacher in engineer school

nrousset@gmail.com

nicolas.rousset@polytechnique.org

Presentation of the training

- python for data analysis
- 3 days
- no development experience required

Schedule

- 9AM - 5PM
- Lunch break 12:30 - 13:30
- Fifteen minutes break in the middle of each morning / afternoon

Presentation of the training philosophy

- ask question, interactivity is the best !
- try to adapt best to your interest
- not resource centered, there is so much on the internet

Presentation of the training philosophy (2)

- top \Rightarrow down approach, we start from what we want to do
- lot of practice
- study-oriented
- NB : but python shine when going to production

Presentation of the training platform

- Teams
- Jupyter notebook
- Google colab
 - no local installation required
 - google drive can be useful
- Github
 - to host training supports

Focused on mainly 2 librairies

- pandas
- matplotlib

And understanding python

Plus (but less focused)

- scikit-learn - numpy - altair