

DATA SCIENCE FOR GEOSCIENCES

COURSE ORGANIZATION

Mathieu Fauvel

Monday 27 - Friday 31 January 2020

OBJECTIVES

- Understand the theoretical basis of
 - ▶ data science
 - ▶ machine learning
 - ▶ AI
- Implement data science algorithms and models using state-of-the-art frameworks
- Focus on applications to geosciences through dedicated projects

ORGANIZATION

	Monday	Tuesday	Wednesday	Thursday	Friday
09h00-12h00	Introduction Data visualization	Regression	Deep Learning	Model Selection	Project
Lunch					
13h30-17h30	Project	Classification	Project	Project	Project Presentation
18H00-20h30	Poster	Discussion			

SCIENTIFIC TEAM

- Florent Chatelain, Grenoble INP, GIPSA-lab



- Mauro Dalla-Mura, Grenoble INP, GIPSA-lab



- Lucas Drumetz, IMT Atlantique, Lab-STICC



- Ronan Fablet, IMT Atlantique, Lab-STICC



- Mathieu Fauvel, INRAe, CESBIO

- Pierre Tando, IMT Atlantique, Lab-STICC





- Mathieu Fauvel, INRAe, CESBIO



- Nicolas Dobigeon, Toulouse-INP, IRIT
- Emilie Bastié, CESBIO
- Delphine Maria, CESBIO
- Anabelle Sansus, Toulouse-INP

- Course resources: Lectures, notebook, project

<https://github.com/DataScience4Geoscience/Toulouse2020>

- WIFI:

- ▶ EDUROAM
- ▶ wifi-inp
 - ★ Login: guest_047
 - ★ Pass: UbWuEY7

- Lunch:

- ▶ For *students* only: CROUS (get your certificate, by credit card only)
- ▶ Others: where you want/can !

SPONSORS

