# UE INF2245
# Hadoop MapReduce: some programming patterns applied to the AIS-UBS dataset

*Frédéric Raimbault*

Note: the following programs should take as input files located in the Amazon S3 directory `s3://ubs-datasets/ais/clean/2021`

1. Write a program (named it `MRTop10Ships`) displaying on the screen the TOP10 fastest ships. Add some useful counters on the execution.

2. Write a program (named it `MRShipMessages`) that determines the first and the last time every ship emit a message and its total number of sent messages. Add some useful counters on the execution.

3. Write a program (named it `MRTypeCount`) that counts and displays the number of ships per ships type.