**Block (3 hours) Dates Topic**

* March. 04 Syllabus & Introduction & Introduction to R
* March. 18 Data wrangling & data visualization using tidyverse
* April. 01. Basic concepts in Machine Learning & Regression & IV approach
* April 15 Time Series: Forecasting & Panel data models
* May 06 Logistic regression (classification models) & Other classification models
* May. 13 Practical Project using a large data set (Hands on programming with R)

Main milestones

Research Project

* Sent Proposal topic for approval March 15 2024
* Sample and data description : April 01 2024
* Final report: May 15, 2024

Referee report

Articles: Please do not circulate these articles as some of them have copyright issues.

1. Measuring European Employment Quality though principal component analysis.
2. Separating the effects of age and health on suicide outcomes
3. Do cognitive able societies nurture entrepreneurs?
4. Dynamic interaction of tourism, finance, and institutions in explaining growth in Asia’s little dragon economies
5. Classification of countries’ progress toward a knowledge economy based on machine learning classification techniques
6. New dimensions of regulatory complexity and their economic cost. An analysis using text mining