

ISET

Concentration in Modern Data Analysis

Academic year 2020-2021

ISET is proud to continue offering the Concentration in Modern Data Analysis (MDA) as part of its MA in Economics program. The concentration aims to provide ISET students with expertise in data management and analysis using modern analytical tools. Students who successfully complete the first year of studies at ISET are eligible to enroll in the MDA concentration.

Concentration requirements

The concentration includes ***4 core MDA elective courses***:

- Advanced Econometrics (Karine Torosyan, ISET)
- Time Series Analysis (Muhammad Asali, ISET)
- Financial Econometrics (Maksym Obrizan, Kyiv School of Economics, KSE)
- Business Data Analysis (Maksym Obrizan, Kyiv School of Economics, KSE)

In addition, the concentration offers the following workshops for building up skills in several important areas:

- R for Data Science (Mohammad Momeni, ISET)
- Effective Data Visualization (Mohammad Momeni, ISET)
- Geospatial Data Analysis (Robert Yenokyan, Metric.am)
- Applications in Banking Sector (Mikheil Nadareishvili, TBC)

Students in MDA concentration ***should take 3 of the 4 core courses (9 credits)*** during the second year (with ***grade C or higher***). An additional requirement for completing the MDA concentration is completing (receiving a “Pass”) the workshop “R for Data Science”. MDA students are advised to take all courses and workshops related to the concentration.

Non-MDA concentration students are eligible to register for any MDA courses. Enrollment in Business Data Analysis is subject to completing (receiving a “Pass”) the workshop “R for Data Science”.

All ISET MA students have to write a ***Master Project*** (MP) related to their concentration. Students in the MDA concentration can write their MP under supervision of any ISET faculty (permanent or visiting), or under supervision of an external expert (with the approval of the Head of the MDA Concentration).