Using R as an alternative teaching tool in the Ecological University of Bucharest

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- It was founded on 4th April, 1990;
- It is the first private institution of higher education in Romania;
- *It is the only university with environmental profile from Romania.*
Ecological University of Bucharest

Is composed of:

- 7 faculties;
- 11 undergraduate programs;
- 21 master programs;
- 25 postgraduate program training and continuing professional development.

These programs have 7575 registered students.
Faculty of Economics Studies

- Undergraduate studies function with two specializations:
  - Finance and Banking
  - Business Administration.

- There are 4 master degrees and 10 postgraduate programs of training and continuing professional development.
Faculty of Economics Studies

From the 41 disciplines for each undergraduate program and 14 disciplines in each master's program, the software R is used at present time, at disciplines:

- statistics;
- economic statistics;
- capital markets;
- econometrics;
- financial macroeconomics;
- financial forecasting;
- financial econometrics;
- capital market - institutions and tools.
Applications of R – in courses

- graphical representation of distribution and time series;
- maps;
- statistical indicators.
Advantages of R software in University

- Promoting open-source software among students;
- Exchange information and ideas on R between students from universities around the world;
- Possibility dissemination research results by professors and students;
- Identify opportunities for collaboration between different universities, joint projects;
- Direct involvement of students in the preparation of program subroutines;
- Improves the relationship and communication between students and teachers outside of the study programmes;
Advantages of R software in University

- Cost-free for Academic use;
- The existence of two college professors who are part of Team R-omania: associate professor Nicoleta Caragea and associate professor Antoniade Ciprian Alexandru, who can supervise the work of teachers and students in this field and provide additional help;
- Offers a larger communication and contacts between universities;
- Promotes the University and Faculty on the nationally and internationally plan.
Disadvantages of R software in University

- Given it’s a new open-source software, the popularity of the program has a slow start;
- At this moment, R is used in a small scale because it is not yet promoted at the highest level in all faculties of Ecological University of Bucharest;
- The possibility of using R in few disciplines.
Thank you for your kind attention!