Input-Output Analysis: theory and applications in R

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Summary of the Training Session:

This course aims to present the basic theoretical structure of input-output models based on practical applications with R (RStudio) software. Applications include calculating multipliers, linkages, field of influence, hypothetical extraction, and structural decomposition with R software.

Outline:

First Session

- *Initial steps with R software*
- *Data base*

Second Session

- *Basic concepts*
- *Multipliers*
- *Linkages*

Third Session

- *Field of influence*
- *Hypothetical extraction*

Fourth Session

- *Structural decomposition*
- *Exporting results from R (RStudio)*

Prerequisites: Basic knowledge of input-output. The course will follow a process of "learning by doing", so it is recommended that participants have their own computers with MS Excel, R and RStudio installed.

Suggested References:

Miller, R. E., & Blair, P. D. (2009). Input-output analysis: foundations and extensions. Cambridge University Press.