

## **Introduction to the Applied General Equilibrium**

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### General objective:

Application of economic theory to the analysis of real economies, and to the Mexican economy specifically, through the methodology of Applied General Equilibrium (AGE).

### Main objectives:

1. Introduction to the Mexican System of National Accounts.
2. Input-Output Tables and the Structural Analysis.
3. The Social Accounting Matrix (SAM) and design of the Applied General Equilibrium Model (AGEM).
4. Using the GAMS (General algebraic Modeling System) to solve the AGEM.

### Topics:

1. Overview of Mexican national accounts and Input-Output table.
2. Review of Competitive General Equilibrium Theory.
2. Introduction to the GAMS (General Algebraic Modeling System).
3. The Social Accounting Matrix (SAM).
4. The Applied General Equilibrium Model (AGEM).
5. AGEM and Calibration.
6. Implementation of the AGEM.
7. Macro-Closures.