Empirical Economics

F. Collard
Objective of the Course

- Understand technological transition and inequalities in the growth performances among economies.
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- From a methodological point of view: Teach you how a whole research program can be defined and circumscribed.
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  2. Dealt with from a theoretical point of view (*i.e.* setup a model)
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- Finding an idea: Data Analysis, Defining Stylized facts
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- From the Data to the definition of a Theoretical Model
Empirical Economics

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- Evaluating theory: from the Model back to the Data
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- Evaluating theory: from the **Model** back to the **Data**
- **Usefulness of a model:**
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- Usefulness of a model:
  1. What is a model useful for?
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  1. What is a model useful for?
  2. How should we use it?
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  4. How should we evaluate a model?
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Main Tools

- Data Analysis: Nice Graphs!, Descriptive Statistics, Econometrics.
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- **Data Analysis**: Nice Graphs!, Descriptive Statistics, Econometrics.
- **Theoretical Analysis**: General Equilibrium, Growth Theory, International Economics, Technology Change
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- Data Analysis: Nice Graphs!, Descriptive Statistics, Econometrics.
- Theoretical Analysis: General Equilibrium, Growth Theory, International Economics, Technology Change
- Material: A brain!, A computer (substitute for a Brain?)
READY?
LET’S GO
Plan of the Course

1. Growth and Inequalities across Countries: A Data Analysis
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1. Growth and Inequalities across Countries: A Data Analysis
   - Finding an Idea

2. Growth and Inequalities across Countries: Globalization and Technological Transition
   - What model?
   - Setting up a model
   - Evaluating a model

3. Productivity in a technological transition
   - How to use data?
   - Setting up a model
   - Evaluating a model
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