

The development of an employment forecasting methodology for the Hellenic Republic.

PhD thesis

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Aims of the project

- Study the methodologies used abroad.
- Examine their applicability in the Hellenic Republic.
- Consider data availability.
- Develop and apply a forecasting methodology.

Outcome

- A methodology closer to that of IER.
- Demand side: occupational skills.
- Supply side: formal qualifications.

Demand side

- E3ME macroeconomic model.
- Occupational models.
- Forecasts of employment for 6 broad and 41 detailed sectors of economic activity.
- Forecasts for 9 broad and 45 detailed occupational groups.
- Period of forecasts: 5 years.

Supply side

- Multinomial logistic regression model.
- Forecasts of formal qualifications by age group, gender and region.
- Period of forecasts: 10 years.

Data used

- National Statistical Service (ESYE) data.
- Labour Force Survey.
- Conducted by ESYE 4 times per year.
- 30,000 households - 80,000 observations.

Classifications

- Use of ESYE' s classifications.
- Economic activity: STAKOD 91 based on 1990 NACE Rev. 1.
- Occupational groups: STEP based on ISCO 88 COM.

The future of the forecasts?