

▲ Who should attend?

Engineers and managerial staff from all industrial sectors who need to draw up statistical results and forecasts using regression techniques.

▲ Duration

5 days

▲ Dates & Location

Non-scheduled

May only be organized for a single company

▲ Tuition Fees

To be agreed upon

▲ Course Coordinator

Sandra Raki-Rechignac

Ref. **EG / ECF**

ECONOMETRICS AND FORECASTING

OBJECTIVES

To provide a practical understanding of econometrics and forecasting, focused on demand modeling (household and industrial consumption) and on market analysis (market integration, leader price, ...).

On completion of the course, the participants will:

- know regression methods and their applications;
- understand time series analysis and forecasting techniques;
- be able to solve case studies using micro-computers.

COURSE CONTENT

BASICS

1 day

Objective and limits of econometrics.

Linear adjustment.

Least square method.

ECONOMETRIC TESTS

0.5 day

Detecting and correcting adjustment failures.

APPLICATIONS WITH EXTENSIONS TO SPECIFIC PROBLEMS

1.5 days

Uses of micro-computer software.

How to build an econometric equation (demand model).

Economic analysis of the statistical results and forecast.

TIME SERIES ANALYSIS

1 day

Time series decomposition.

Smoothing techniques.

ECONOMETRIC ANALYSIS OF MARKET BEHAVIOR

1 day

Causality test.

Market integration.

Individual practice using computers.

Use of data base management software and econometric modeling packages.