

## TARGET AUDIENCE

Individuals with an interest in Structural Equation Modelling (SEM). AMOS provides SEM techniques in a user-friendly package.

## PREREQUISITES

Statisticians and applied quantitative researchers with some experience in multiple regression or factor analysis are encouraged to attend.

## OVERVIEW

Graphical, interactive path modelling with the AMOS program is employed throughout the session. Modern advances in structural modelling and statistical methods are emphasized and demonstrated by practical research examples from different areas of the social sciences.

## OBJECTIVES

By the end of the course you will have learned to:

## COURSE CONTENT

- AMOS's efficient modelling approach for incomplete or missing data.
- Specifying applied regression, factor analysis and structural regression models with a graphical interface.
- Model specifications with AMOS.
- Mastering identification problems in factor analysis and structural equation models.
- Tests of model adequacy and fit.
- Structural equation models with means and intercepts, for trend analysis and exact predictions.
- Multi-group models, with and without constraints across groups.
- Analysis of non-normal data: Applications of the bootstrap method to estimate empirical standard errors and confidence intervals of parameter estimates and to obtain robust tests of model fit.