

51M106

STATISTICAL METHODS IN SOCIAL RESEARCH II

Teacher responsible: M. Symeonaki

Teachers: M. Symeonaki, C. Michalopoulou

Compulsory course - Semester B

The teaching of this subject begins with a very quick repeat of the basic knowledge in simple linear regression. Thereafter, particular emphasis is given to more advanced statistical methods such as multivariate linear regression analysis, time series analysis, discriminant analysis, survival analysis and factor analysis and the application of these techniques to social science research problems using the SPSS computer software. Moreover, the theory of Markov systems (open and closed systems in discrete time) for the description of social systems and intergenerational social mobility is presented.

Evaluation: Written exam.

Reading list:

- Agresti, A. & Finlay, B., 1997. *Statistical Methods for the Social Sciences*. 3rd ed. London: Prentice Hall.
- Babbie, E.R., Halley, F. & Zaino, J., 2000. *Adventures in Social Processes*. 3rd ed. New Jersey: John Wiley and Sons.
- Bartholomew, D.J., 1982. *Stochastic Models for Social Processes*. 3rd ed. New Jersey: John Wiley and Sons.
- Bartholomew, D.J., Steele, F., Moustaki, I. & Galbraith, J., 2008. *Analysis of Multivariate Social Science Data*. 2nd ed. London: CRC Press. Bartholomew, D.J., Steele, F., Moustaki, I. & Galbraith, J., 2008. *Analysis of Multivariate Social Science Data*. 2nd ed. London: CRC Press.
- Draper, N. & Smith, H., 1981. *Applied Regression Analysis*. New York: John Wiley and Sons.
- Lawal, H.B., 2003. *Categorical Data Analysis with SAS and SPSS Applications*. New Jersey: Lawrence Erlbaum Associates.