

Topical problem of sociological research

The course focuses on the application of methods of reproducible research, multivariate analysis and of structural equations modelling to build multidimensional and multifactor models of social phenomena. The knowledge gained by postgraduate students within the course can be used in practice of scientific and sociological research and professional activities.

The main tasks of the discipline

- to provide Phds with basic information about basic concepts of reproducible research, tools of reproducible research;
- to deepen knowledge about the purpose and features of analysis of variance, discriminant, factor, cluster analysis, conjoint analysis and multidimensional scaling, structural equations modelling;
- teach them to correctly use the capabilities of computer tools for statistical processing of multidimensional information, its visualization and presentation of results (MS Excel, SPSS, R, Tableau)
- to form the ability to tell stories based on data (storytelling with data)
- to form in students the need for further development of knowledge and skills in the field of statistical methods of data analysis and computer tools in future professional activities.