

Specialty: Political Economy, Master program, full-time study
Discipline: «Data analysis»

Annotation

Volume: 4 ECTS, 144 academic hours

Final control form: Pass

Summary

The course «Data Analysis» is designed to familiarize students with the concept of data in economic policy, their types, methods of processing and analysis. In the course of mastering the discipline, students will acquire new and improve existing skills in conducting quantitative and qualitative research, analyzing big data, as well as visualizing the results obtained.

Goals and objectives of the discipline.

The main goal of the course is the mastery by students of the basics and methods of data analysis used in solving applied economic problems, the formation of skills for collecting, generalizing and processing information to identify and assess the patterns and interdependencies of socio-economic processes and phenomena using modern software and programming languages, mastering modern methods of modeling socio-economic processes.

Connection with other disciplines of the specialty.

This discipline is directly related to the disciplines «Macroeconomics. Advanced Course» «Mega-economics», «Macroeconomic Planning and Forecasting. Advanced Course», «Theory of Economic Development and Backwardness», «Monetary policy», «Fiscal policy of the RA» due to the fact that the knowledge and tools obtained in the course of studying the discipline make it possible to conduct full-fledged scientific research and deep understanding of economic dependencies.

Requirements for the initial levels of knowledge and skills of students.

Successful mastering of the course «Data Analysis» presupposes the presence of knowledge in the main macro and microeconomic components, their cause-and-effect relationships, as well as in the main statistical categories, which together serve as the foundation of econometric science. It is possible to start studying the discipline if you have basic knowledge of the disciplines: «Probability Theory and Mathematical Statistics», «Statistics», «Socio-Economic Statistics» and «Econometrics» studied at the bachelor's degree, as well as the discipline «Econometrics. Advanced Course», studied in the first semester of the Master's program.