

Keck School of Medicine of USC

Ph.D. in Biostatistics Learning Objectives

Upon completion of this program, students will be able to:

1. Identify and develop an appropriate statistical design for a biomedical research study
2. Identify and perform an appropriate statistical analysis of biomedical data to address a given research question
3. Proficiently apply specialized computer software to manage and analyze biomedical data and summarize/interpret results
4. Write statistical analysis and results sections for a manuscript as part of a research team
5. Describe and develop mathematical and statistical theory underlying biostatistical methods
6. Develop and evaluate new and existing statistical methodology as part of a research team