



University of California, Santa Barbara  
Program Learning Outcomes

## MA in Statistics

***Students graduating with a MA in Statistics should be able to:***

*(The following MA programs are offered by the Department of Statistics: Mathematical Statistics Specialization and Applied Statistics Specialization. Unless specified otherwise the PLOs listed here apply to both specializations).*

### *Core Knowledge*

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- Students in any MA specialization will be able to effectively demonstrate broad knowledge in that chosen specialization.
- Students in the Masters in Applied Statistics specialization will be able to demonstrate broad knowledge of applied statistical methods and data analysis.
- Students who include a thesis as part of their MA program, will be able to effectively collaborate with the faculty member(s) who supervise(s) their thesis, and will be able to effectively communicate in writing their thesis study.

### *Scholarly Communication*

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- Students will be able to create effective written technical arguments to communicate their data analysis methods and results, or their mathematical statistics/probability knowledge to their peers.
- Students in the applied statistics specialization will be able to demonstrate the ability to communicate their choice of statistical analysis methods and the results of an applied statistical analysis in a written report.