

Graduate School



2

Why graduate school?

- Different (better) job.
- Career change.
- Want to learn more.

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3

Preparation

- Undergraduate degree in
 - Statistics
 - Mathematics
 - Related quantitative field

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4

Preparation

Statistics major

- Additional mathematics courses helpful.
- Math 201, Math 414/415

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5

Preparation

- You need to do well in all your Statistics courses.
- The higher your overall gpa, the better your chances of admission to graduate school.

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6

Preparation

- How you do in Stat 341 - 342, the theory of probability and statistics, is often a good indicator of success in graduate school.

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Graduate School

Preparation

- You need to do well on all parts of the Graduate Record Exam (GRE®).
- www.ets.org/gre



7

GRE®

- Verbal Reasoning
 - Scores: 200 to 800
 - All Test Takers
 - Mean = 465, SD = 117
 - Mathematical Sciences
 - Mean = 501, SD = 118



8

GRE®

- Quantitative Reasoning
 - Scores: 200 to 800
 - All Test Takers
 - Mean = 584, SD = 149
 - Mathematical Sciences
 - Mean = 732, SD = 80



9

GRE®

- Analytic Writing
 - Scores: 0 to 6
 - All Test Takers
 - Mean = 4.1, SD = 0.9
 - Mathematical Sciences
 - Mean = 4.4, SD = 0.9



10

Letters of Recommendation

- You will need letters of recommendation from at least two faculty members.
 - Academic advisor
 - Course instructor



11

Preparation

- Admission to graduate school can be highly competitive. The stronger your background in undergraduate school the better your chances of getting admitted.



12

Graduate School

Types of Programs

- Masters only
- Masters and Ph.D.
- Ph.D. only



13

Types of Programs

- Theoretical Statistics
- Applied Statistics
- Biostatistics or Epidemiology



14

Theoretical

- Stanford U.
- U. Cal. Berkeley
- U. Chicago
- Harvard U.
- Purdue U.
- U. of North Carolina



15

Applied

- Iowa State U.
- No. Carolina State U.
- Kansas State U.
- Texas A&M
- Oklahoma State U.
- Florida State U.



16

Biostatistics

- U. of Washington
- U.C.L.A.
- Harvard School of Public Health
- Johns Hopkins U.
- U. of Iowa



17

ASA Website

- www.amstat.org
- Follow links to Education - Graduate, Professional, and Continuing Education - Schools offering degrees in statistics.



18