# Statistics

**STAT 420  Methods of Applied Statistics**  credit: 3 OR 4 hours.

Systematic, calculus-based coverage of the more widely used methods of applied statistics, including simple and multiple regression, correlation, analysis of variance and covariance, multiple comparisons, goodness of fit tests, contingency tables, nonparametric procedures, and power of tests; emphasizes when and why various tests are appropriate and how they are used. Same as MATH 469.

3 undergraduate hours. 4 graduate hours. Prerequisite: STAT 408 or STAT 400; MATH 231 or equivalent; knowledge of basic matrix manipulations; or consent of instructor.

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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
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Credit Hours: 4 hours
Statistical Modeling in R
Restricted to Graduate - Urbana-Champaign. Restricted to MCS:Computer Sci Online -UIUC or NDEG:Computer Science Onl-UIUC.
Restricted to online MCS-DS students. Center for Innovation in Teaching & Learning (CITL) restrictions and assessments apply, see https://online.illinois.edu. Additional ID Verification Coursera and ProctorU fees may apply. For more details on this course section, please see https://online.illinois.edu/online-courses/course-section?termcode=120185&crn=39301&ref=ocs. Non-Degree students may enroll on a space-available basis with consent of Program Coordinator. Please contact MCS-DS@cs.illinois.edu. Sections (and CRNs) for on-campus, degree-seeking students are: STAT 420 OLG (38705), MATH 469 OLG (38706), STAT 420 OLU (38707), and MATH 469 OLU (38708). For up-to-date information about statistics course registration, please see our registration update pages: go.illinois.edu/StatisticsRegistration

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Credit Hours: 3 hours
Statistical Modeling in R
Restricted to Undergrad - Urbana-Champaign.
This section will remain at 0 capacity. Please see: STAT 420, section DSO, CRN 39301 for more information. For up-to-date information about statistics course registration, please see our registration update pages: go.illinois.edu/StatisticsRegistration

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Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.
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Credit Hours: 3 hours
Restricted to Undergrad - Urbana-Champaign.
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