Statistics

STAT 480  **Data Science Foundations**  credit: 3 OR 4 hours.
Examines the methods of data management and analysis for "big data", characterized by high volume, variety, velocity, and veracity. Attention will be focused on advanced statistical analysis and visualization in data science applications employing parallel processing, storage and distribution techniques necessary for analysis of massive data sets. Data mining techniques, machine learning methods, and streaming technologies will be utilized for real-time analysis. Students must have access to a computer on which they can install software. 3 undergraduate hours. 4 graduate hours. Prerequisite: STAT 425 and familiarity with high-level language (e.g. Python, Java, C, F#), and command line programming.

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<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
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<tbody>
<tr>
<td>63551</td>
<td>Lecture-Discussion</td>
<td>1GR</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>G27 - Foreign Languages Building</td>
<td>Glosemeyer, D</td>
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</tbody>
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Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.
Priority registration is restricted to Statistics graduate students. This restriction is expected to be removed sometime during the business day December 1, 2015.

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Credit Hours: 3 hours
Restricted to Undergrad - Urbana-Champaign.
Priority registration is restricted to students majoring in Statistics or Statistics & Computer Science. This restriction is expected to be removed sometime during the business day December 1, 2015.