Statistics

STAT 542  **Statistical Learning**  credit: 4 hours.
Modern techniques of predictive modeling, classification, and clustering are discussed. Examples of these are linear regression,
nonparametric regression, kernel methods, regularization, cluster analysis, classification trees, neural networks, boosting,
discrimination, support vector machines, and model selection. Applications are discussed as well as computation and theory. Same as
ASRM 551 and CSE 542. 4 graduate hours. No professional credit. Prerequisite: STAT 410 and STAT 425.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>61880</td>
<td>Lecture-Discussion</td>
<td>A1</td>
<td>11:00 AM - 12:20 PM</td>
<td>TR</td>
<td>161 - Noyes Laboratory</td>
<td>Liang, F</td>
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</tbody>
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Restricted to students in the Statistics department.
Restricted to Graduate - Urbana-Champaign.
For Statistics course registration information: go.illinois.edu/StatisticsRegistration