

## Course Information for Statistical Software Applications, ILRST 6120

<http://blackboard.cornell.edu/>

Statistical Software Applications is intended to broaden statistical analysis skills by introducing major statistical software packages used in academia and industry. This course will give students more flexibility and additional knowledge needed to perform data analysis by getting acquainted with major commercial statistical software packages broadly used. The key topics to be covered consist of graphical display of data, simple linear and multiple linear regression, analysis of variance with one or more factors. Furthermore, categorical data analysis will be introduced by showing how to investigate associations between categorical response variables. Finally, log-linear models and logistic regression models, with non-normal response variables, will be introduced as time permits. The following statistical software packages will be introduced in this course: JMP, SAS, SPSS and Stata. This is an applied statistical course where case studies will be used to illustrate applications of the above statistical software packages. This course assumes knowledge of basic statistical courses such as ILRST 2100/6100, BTRY 3010/6010 or equivalent.

**Instructor:** Freedom King, [fk35@cornell.edu](mailto:fk35@cornell.edu), 293 Ives Hall, 255-8212  
Office Hours: after class or by appointment

**Lectures:** lecture attendance is mandatory  
Monday & Wednesday, 0840 AM 0955 AM, location MNL B30A