

Statistics II

LTX019P05 / LIX013B05, 2012–2013 Semester IIb

Course Description: This course is a second course in basic statistics for students of Faculty of Arts, esp. in linguistics (including aphasiology and applied linguistics), communications studies, and information science.

Course Objectives: After completing this course, students should be able to:

- understand the logic behind hypothesis testing and statistical modeling
- perform statistical analyses requiring methods like, *regression, ANOVA, logistic regression*
- understand the statistical results presented in scientific publications and popular media
- use SPSS for statistical analysis

Prerequisites: Statistics I

Students with equivalent knowledge (through other coursework or experience) can also take the course with the consent of the instructor.

Credits: 5

Textbook:

Andy Field, 2009, *Discovering Statistics using SPSS*, 3rd ed. London: Sage

Time/Place:

Lectures: Wednesday 13:00–15:00, Boeringzaal
(see below for Computer lab schedule)

Weekly Plan:

Week	Lecture	Reading	Lab exercise
16	Introduction, Correlation & Regression	6.1–6.5, 7.1–7.5	–
17	Multiple Regression	7.6–7.10	Regression
19	One-way ANOVA	7.11-7.12, Ch.10	–
20	Factorial (N-way) ANOVA	Ch.12	Multiple regression
21	Repeated Measures ANOVA	Ch.13	ANOVA
22	Logistic Regression	Ch.8	RM ANOVA
23	Summary / Advanced topics	–	Logistic Regression

Evaluation:

- **Final exam** (80%). On Fri 2013-06-21 at 10:00, Offerhauszaal.
- **Computer/lab exercises** (10%). There will be 5 practical exercises starting second week of the course (see the schedule above).
- **Quizzes** (5%). There will be 5 quizzes, except for the first and the last week.

Quiz	Available	Deadline
1	Apr 17	May 08
2	Apr 24	May 15
3	May 08	May 22
4	May 22	May 29
5	May 29	Jun 08

Less than 60% success counts as 0. Multiple trials of the quizzes are allowed.

- **Attendance** (5%) if you attend 5 or more lectures. Attendance to all lectures is mandatory.

You need to get 5.5/10 as the overall average to pass this course.

Computer Labs:

Group	Time	Location	Instructor
Group 1	Tue 09:00–11:00	1312.0107A	Mets Visser
Group 3	Thu 11:00–13:00	1312.0119A	Mets Visser
Group 4	Thu 13:00–15:00	1312.0119A	Carmen Klaussner
Group 2	Fri 11:00–13:00	1312.0119A	Carmen Klaussner

Attendance to the computer labs are not mandatory, but strongly recommended.

Lab reports are due one week after the lab session. Late reports (no more than one week) receive half credit. Lab reports should include clear answers to the questions on the lab sheets, including graphics and tables from relevant SPSS output. SPSS log printouts without answers are not acceptable.

Expected workload:

Lectures, Labs & Exams	30 hours
Course preparation (inc. quizzes)	72 hours
Exam preparation	38 hours
Total	140 hours = 5 ECTS

Course Web Page: <http://www.let.rug.nl/coltekin/statsII/>

Course slides and the lab exercises will be posted on the course web page.

Instructor: Çağrı Çöltekin (c.coltekin@rug.nl)
1311.426 (Harmoniegebouw, 4th floor)

Office Hours: Wednesday 10:00-12:00 (or by appointment)