

# Second Course in Statistics, spring 2010

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### Lecturers

[Xiaojin Dong](#) and  
[Pekka Pere](#)

### Scope

78207 Part 1: 5 cu  
78208 Part 2: 5 cu

### Type

Basic studies (perusopinnot)

### Prerequisites

Introduction to Statistics (or equivalent)

### Description of the course

A short description of the course is given [here](#).

### Time schedule (preliminary)

III ja IV period Mo 10-12 room CK111 (except on April 26) , Th 10-12 room C323 (both in Kumpula), exercises Thursday 12-14 room C123. Room for the lecture on the 26th of April will be announced here as soon as a suitable place has been found.

18.1. (Mo)  
21.1. (Thu)  
25.1. (Mo)  
28.1. (Thu) + 1. exercises  
1.2. (Mo)  
4.2. (Thu) + 2. exercises  
8.2. (Mo)  
11.2. (Thu) + 3. exercises  
15.2. (Mo)  
18.2. (Thu) + 4. exercises  
22.2. (Mo)  
25.2. (Thu) + 5. exercises

4.3. (Thu) midterm exam **Please note the time!**

15.3. (Mo)  
18.3. (Thu) + 6. exercises  
22.3. (Mo)  
25.3. (Thu) No exercises today.  
29.3. (Mo)  
(Easter holiday)  
8.4. (Thu) + 7. exercises  
12.4. (Mo)  
15.4. (Thu) 8. exercises. No lecture today.  
19.4. (Mo) **No lecture today.**  
22.4. (Thu) + 9. exercises  
26.4. (Mo) **lecture in BK106**  
29.4. (Thu) lecture in C323 + 10. exercises (in C123)

**Please note the the updated time schedule of the course including a new day for the 2. exam.**

### Exams

4.3. (midterm exam) (Thu 9-12)  
6.5. (final exam) (Thu 9-12; room C323)

### Lecture notes

[12th set of lecture notes.](#)  
[13th set of lecture notes.](#)  
[14th set of lecture notes](#)  
[15th set of lecture notes.](#)  
[15-16th set of lecture notes; set I, 15-16th set of lecture notes; set II and 15-16th set of lecture notes; set III. \(Updated 22nd of April!\)](#)  
[17th set of lecture notes.](#)  
[18th set of lecture notes.](#)  
[19th set of lecture notes and 19th set of lecture notes; set II.](#)  
[20th set of lecture notes and 20th set of lecture notes; set II..](#)  
[21st set of lecture notes.](#)  
[22nd set of lecture notes.](#)  
[23rd set of lecture notes.](#)

## Exercises

[6th set of exercises \(week 11\). Data set for the 6th set of exercises](#)  
[Solutions for the 6th set of exercises](#)

[7th set of exercises \(week 12\). Solutions for the 7th set of exercises](#)  
[8th set of exercises \(week 13\). Solutions for the 8th set of exercises](#)  
[9th set of exercises \(week 16\). Data set for the 9th set of exercises](#) [Solutions for the 9th set of exercises](#)  
[10th set of exercises \(week 17\). Solutions for the 10th set of exercises](#)

Mr. Ali Amiryousefi (Ali.Amiryousefi@Helsinki.FI) conducts the exercises.

## Other material

[Table of the Standard Normal distribution](#)  
[Other tables](#)

[A description of the Normal distribution](#)  
[Impact of the magnitude of the parameters on the distribution](#)

[On the law of large numbers](#)  
[The central limit theorem and its animation](#)  
[Convergence of the binomial distribution to the normal distribution or the bean machine](#)  
[A more detailed explanation of the bean machine \(updated on the 20th of March\)](#)  
[A real bean machine , another and a third and the quickest one](#)

[On type I and type II errors](#)

[Significance testing in action \(climate change example\)](#)

[Continuity correction of the normal approximation](#)

[Statistical calculators \(e.g. for p-values\)](#)

## Registration, part 1

## Registration, part 2

Did you forget to register? [What to do.](#)

## Exercise groups

Group	Day	Time	Place	Instructor
1.	Thu	12-14	C123	<a href="#">Ali Amiryousefi</a>