

## Introduction into Statistics

### Report and Syllabus

There were 33 students registered for the course. Most of them were students of *Science and Business* or of *Science and Preprofessional Studies*.

The textbook being used for this course was R. L. Scheaffer & J. T. McClave: Probability and Statistics for Engineers; Wadsworth Inc. 1995, 4th edition. As often with textbooks, it turned out that there were two slightly different versions of this edition around.

I think the textbook is a bit too much engineering-oriented for this group of students. It would be more interesting for them to have a broader variety of examples and problems than just “material tests” etc.

There was one serious problem with the syllabus during the semester: the prerequisites for this course are Math 120 or Math 126. Neither course covers functions in two variables, which, however, are necessary for the theory of joint probabilities!

Date	Reading	Homework-Assignments
1/14	ch. 1	1.11, 1.13c (for each of the 3 groups of batteries)
1/16	2.3/2.4	2.11 (with 24 in place of 25), 2.13, 2.17, 2.19, 2.20
1/19	2.5	2.22, 2.23, 2.25, 2.26, 2.27, 2.32, 2.33, 2.61, 2.62, 2.63
1/21	2.6	2.36, 2.37, 2.42, 2.48, 2.55, 2.56, 2.66
1/23	2.7	2.38, 2.49, 2.51, 2.67, 2.75, 2.68
1/26	2.8/3.1	2.53, 2.54, 2.73, 2.80, 2.82, 2.83, 2.87
1/28	3.1/3.2	3.1, 3.4, 3.5, 3.6, 3.8, 3.9
1/30	Tutorial	2.31, 2.40, 2.64, 2.65, 3.10
2/02	3.2	3.11, 3.13, 3.14, 3.15, 3.16
2/04	Review 1	
2/06	Exam 1	
2/09	3.2/3.3/3.4	3.17, 3.18, 3.19, 3.20
2/11	3.4	3.21, 3.22, 3.23, 3.24, 3.25, 3.29, 3.31, 3.32, 3.33, 3.34, 3.37, 3.87
2/13	3.5/3.6	340, 3.43a, 3.46a
2/16	3.6/3.7	3.43b, 3.46b, 3.47, 3.48, 3.49, 3.51
2/18	3.7/4.1	3.52, 3.53, 3.54, 3.57, 3.58, 3.62, 3.63
2/20	4.1/4.2	4.1, 4.2, 4.4 a - c, 4.5, 4.6, 4.8, 4.9, 4.10, 4.12, 4.13

2/23 4.3/4.4 4.16, 4.17, 4.22, 4.23, 4.25, 4.26  
2/25 4.4/4.5 4.33, 4.36, 4.38, 4.39, 4.41, 4.42, 4.43, 4.46  
2/27 4.5/4.6 4.52, 4.53, 4.54, 4.55, 4.56

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3/2 Review 2  
3/4 Exam 2  
3/6 Some Problems of the Exam

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3/16 4.6 4.57, 4.58, 4.59, 4.61, 4.65, 4.66, 4.67, 4.68  
3/18 5.1/5.2 5.1, 5.2, 5.3, 5.4  
3/20 5.3 5.5, 5.6, 5.7, 5.8, 5.13

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3/23 5.4 5.17 (answer in the book is false!),  
5.18,5.21,5.22,5.23  
3/25 Tutorial 5.41a,b,d,e, 5.51, 5.44, 5.43, 5.53  
3/27 6.1/6.2 6.1 (only stem-and-leaf-plot), 6.3a, b, 6.4,  
6.5

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3/30 6.3/6.4 6.14, 6.16, 6.18, 6.19, 6.25, 6.26, 6.29,  
6.30, 6.31, 6.32  
4/1 6.5 6.34, 6.35, 6.36, 6.37, 6.38, 6.40  
4/3 6.8/7.1/7.2 6.60, 6.64, 6.65, 7.1, 7.2, 7.3

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4/6 7.3 7.10,7.11,7.12,7.14,7.20,7.21,7.22,7.24,7.26,7.27,7.29,7.30  
4/8 7.4 7.34, 7.36, 7.41, 7.42, 7.46, 7.47, 7.48  
4/10 Good Friday

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4/13 Easter Monday  
4/15 Review 3  
4/17 Exam 3

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4/20 7.4/7.5 7.54, 7.55, 7.57, 7.58  
4/22 8.1/8.2 8.1, 8.4, 8.10, 8.12, 8.13, 8.14, 8.15, 8.16,  
8.19  
4/24 8.3.1/8.3.2/8.3.5 8.28, 8.30, 8.32, 8.33, 8.34, 8.37

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4/27 7.3.2/8.2.2/7.4.2  
4/29 Review

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Monday 5/4 Final Exam 4:15 - 6:15 pm in HAYE 124