

MATH-1140 SPRING 2014

STATISTICS FOR BUSINESS

Instructor: MAURICE J DUPRE

Office: Gibson Hall 309 A

Office Hours: Monday and Wednesday 11am – 2pm or by appointment

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YOU ARE RESPONSIBLE FOR LEARNING THE MATERIAL COVERED IN THE LECTURES IN ADDITION TO AND AS WELL AS THE MATERIAL COVERED IN THE TEXTBOOK.

Materials: Your textbook: Statistics for Business and Economics, McClave, Benson and Sincich Prentice Hall Publisher, 12th Edition

Calculator: Students are required to have a simple scientific calculator. Graphing calculators are specifically NOT ALLOWED.

Students are expected to have a laptop computer with a fully functional version of Microsoft Excel for Windows

TEST DATES

TEST 1: WEDNESDAY 29 JANUARY 2014

TEST 2: WEDNESDAY 26 FEBRUARY 2014

TEST 3: WEDNESDAY 9 APRIL 2014

FINAL EXAM*: 8:00 AM until NOON on MONDAY 5 MAY 2014

*Note that the FINAL EXAM may not be held in BOGGS 104. I will announce the room assignment for the FINAL EXAM in the last two weeks of the semester.

LECTURES AND LABORATORY

MATH-1140 SECTIONS 05 & 06

Lectures: MWF BOGGS 104 from 10 AM-11:50 AM

TA: LUO, QINGYANG

Office: Gibson Hall 309D

Telephone: 504-862-3462

E-Mail: qluo@tulane.edu

Office Hours: ?

LAB SECTION 03 Meets 9:30 am Thursday in GI 126

LAB SECTION 04 Meets 8:00 am Thursday in RB 113B

MATH-1140 SECTIONS 03 & 04

Lectures: MWF BOGGS 104 from 2pm-2:50pm

TA: SIKORA, LUKASZ

Office: Stanley Thomas 309

Telephone: 504-862-5801

E-Mail: lsikora1@tulane.edu

Office Hours: ?

LAB SECTION 05 Meets 8:00 am Tuesday in GI 310

LAB SECTION 06 Meets 8:00 am Thursday in JO 108

COVERAGE

Chapter 1: §§2, 3, 5, 6

Chapter 2: §§1, 2, 3, 4, 5, 6, 7, 8

Chapter 3: §§1, 2, 3, 4, 5, 6,

Chapter 4: §§1, 2, 3, 4 (hypergeometric only), 5, 6.

Chapter 5: §§1, 2, 3, 4

Chapter 6: §§1, 2, 3, 4.

Chapter 7: §§1, 2, 3, 4, 5, 6.

Chapter 8: §§1, 2, 3, 4.

Chapter 12: §§1, 2, 3, 4 via Microsoft Excel .

GRADE

Homework = 10%

Quizzes =10%

There will be three one-hour in class TESTS

One-Hour TEST Grade Average = 50%

There will be a **COMPREHENSIVE FINAL EXAM** =30%

Your Test average will be computed on the basis of your two best test scores including the final exam score. The quiz and Homework averages will be computed after dropping the two lowest scores.

If your final exam letter grade is better than your overall average (which includes the final exam at 30%), then you will receive your final exam letter grade as your final grade.

EXERCISES

Chapter 1: 14, 15, 16, 17

Chapter 2: 1, 2, 3, 7, 9, 19, 20, 23, 24, 26, 35, 36, 39, 40, 43, 44, 49, 57, 58, 66, 66, 72, 74, 79, 81, 90, 91, 97, 106, 118, 121, 122, 128.*

Chapter 3: 1, 2, 3, 4, 5, 6, 7, 13, 15, 16, 18, 28, 29, 30, 31, 33, 39, 44, 49, 50, 55, 58, 60, 68, 71, 75.*

Chapter 4: 11, 12, 13, 14, 15, 18, 22, 40, 41, 43, 44, 50, 51, 56, 63, 64, 67, 72, 77, 84, 85, 86, 87, 88, 89, 91, 92, 93, 94, 100, 110, 116.*

Chapter 5: 1, 8, 9, 16, 17, 18, 19, 20, 21, 24, 25, 28, 36, 37, 38, 42, 44, 47, 48*

Chapter 6: 1, 2, 3, 4, 11, 15, 16, 23, 25, 26, 27, 33, 35, 36, 41, 42, 43, 44, 47, 48, 49, 54.*

Chapter 7: 9, 11, 12, 13, 16, 19, 20, 21, 29, 30, 31, 34, 44, 39, 48, 51, 53, 55, 58, 64, 65, 67, 73, 77*

Chapter 8: 2, 6, 7, 10, 11, 17, 18, 23, 27, 28, 30, 37, 39*

Chapter 12: Students should use Microsoft Excel printouts to do these exercises: 3, 4, 17, 21, 24, 25, 26, 33 (parts a and b only).

EXEL TOPICS COVERED

Insert Function

Median

Mean

Sample standard deviation

Sample variance

Percentiles: there are many ways to give percentiles; we will compute percentiles as Excel does.

Maximum

Minimum

Graphs and Charts

Categorical Data

Pie Charts (categorical)

Bar Charts and column charts (categorical)

Pivot Tables

Quantitative Data

Summary Statistics

Histogram (we use Excel convention for the endpoints)

Frequency Distributions

Relative Frequency Distributions

Scatter Diagrams (including the trend line)

Regression Reports (Chapter 12)