Course Outline Economic Statistics ECON 227

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Office Hours: Leacock 435, 514-398-6816 TTh 10:00 – 12:00

Week of October 22 to October 26

Monday 1:30 to 3:00
Tuesday 4:00 to 5:30
Wednesday 10:30 to 12:00
Friday 10:30 to 12:00

Other times by chance or appointment

Each week office hours will be on the office door Leacock 435

TA hours for the course will be posted on MyCourses.

Textbook: (Paragraphe Book Store, 2220 McGill College Avenue)

*Statistics for Business and Economics (any edition), McClave, Benson, and Sincich, Pearson/Prentice-Hall. Paragraphe has the less-expensive loose-leaf version.* If you find second-hand earlier editions, they will be perfectly all right for the course. Look for advertised copies and/or on the INTERNET.

Syllabus

Autumn Term

EDA (exploratory data analysis)

Probability theory, including the expected value and standard deviation of random variables

Geometric, binomial, Poisson, and hypergeometric discrete random variables
Exponential and normal continuous random variables

Sampling distributions

**Winter term**

Point and confidence-interval estimation, t and chi-square distributions

One-population hypothesis tests

Two-population tests

F distribution, ANOVA

Chi-square tests of independence and goodness of fit

Simple regression and correlation

Multiple regression

**Evaluation**

assignments and quizzes 15

midterm examination 25

final examination 60

Students should have a calculator capable of statistics computations with two-variable capacity. If you are not sure whether your calculator is suitable, show it to me after class for verification. In the winter term there will be MINITAB and EXCEL computer output.

All work may be presented in English or French

**McGill Code of Conduct**

McGill University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism, and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see [http://www.mcgill.ca/integrity](http://www.mcgill.ca/integrity) for more information).

• Credit will be given for ONLY ONE of the following introductory statistics courses: AEMA 310, BIOL 373, ECON 227D1/D2, ECON 257D1/D2, GEOG 202, MATH 203, MGCR 271, MGCR 273, PSYC 204, SOCI 350.