University of Montana

ScholarWorks at University of Montana

Spring 1-2016

BMIS 650.01: Quantitative Analysis

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BMIS 650

Quantitative Analysis

Spring Semester 2016

School of
BUSINESS
ADMINISTRATION
The University of Montana–Missoula

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Office Hours: MW 2:00-3:00 pm

Resources:

IBM SPSS Grad Pack (available from vendors at the link below)
http://www-01.ibm.com/software/analytics/spss/products/statistics/gradpack/
Click on the "Buy" tab and select a vendor. I purchase mine from On the Hub.

Various Reading Posted on Moodle

Course Objectives: The first and primary goal of this class is to help students think correctly about quantitative information and how it is used and potentially misused. The two articles by Kahneman and Tversky will address this issue. The second goal of the course is to provide students with some understanding of "Big Data"; the two IBM documents will address this.   The third goal of the course is to provide students with some hands-on experience with business analytics in a software environment that they will likely encounter in their careers. Microsoft Excel is certainly ubiquitous but its quantitative analysis capabilities are limited and cumbersome. For this course, we will use IBM's SPSS analytics software. The full version is available for about $100 (it's a 12-month license) to college students. See the IBM link above, select the Buy tab and vendors for the Grad Pack are listed. It is imperative that you purchase the IBM SPSS Statistics Premium GradPack, **the one that includes the forecasting module**. We will learn how to think about quantitative phenomena and how to crunch some numbers.

Evaluation: The evaluation in the class will be through cases that require you to analyze data, come to conclusions and answer questions based on quantitative data.

A 93% and above	B - 80% to 82%	D+ 67% to 69%
A- 90% to 92%	C+ 77% to 79%	D 63% to 66%
B+ 87% to 89%	C 73% to 76%	D- 60% to 62%
B 83% to 86%	C- 70% to 72%	F Below 60%

Tentative Schedule
MW 11:10-12:30
M 6:10-9:00

Week 1: Feb. 29, Mar. 2	Descriptive Statistics and SPSS Introduction
Week 2: March 7, 9	Descriptive Statistics, Data Transformation in SPSS
Week 3: March 14, 16	Cross Tabulation/Tables (Assessment 1)
Week 4: March 21, 23	Regression
Week 5: March 28, 30	Regression
Week 6: April 11, 13	Regression (Assessment 2)
Week 7: April 18, 20	Forecasting
Week 8: April 25, 28	Forecasting
Week 9: May 2, 4	Forecasting (Assessment 3)
Week 10 May 9 (11:10-1:10 and 6:10-9:00)	Conclusion

Assignments: Students will complete three assessments. Each assessment will involve an analysis of a data set and an understanding of the meaning and application of the analysis. Each assessment will be completed outside of class time and will involve the analysis of a data set with answers being entered into Moodle. The assessment can be completed any time beginning Wednesday at noon until the following Monday at 8:00 am MST of the week in which the assessment is scheduled. Each assessment will be worth 1/3 of your final grade.

Mission Statement: The University of Montana's School of Business Administration is a collegial learning community dedicated to the teaching, exploration, and application of the knowledge and skills necessary to succeed in a competitive marketplace.

As directed by the Provost, the following paragraph is to be inserted in all syllabus material: