



BUS 532
STATISTICAL ANALYSIS FOR MANAGEMENT
SYLLABUS



I. Course Title

BUS 532: Statistical Analysis for Management

II. Course Credit

3 credits

III. Prerequisites

None

IV. Faculty/Teaching Assistant

Faculty

Name: Md Tanvir Pavel

Title: Instructor

Phone: 786-838-2533

Email: mpavel@stu.edu

Teaching Assistant

Name:

Title:

Phone:

Email:

V. Course Description

An overview of basic probability and statistical techniques, to provide a foundation in the use of statistical methodologies, and the interpretation of the findings in analyzing business data.

VI. Learning Outcomes

At the end of this course students will be able to:

- Demonstrate the ability to apply statistical methods to solve problems
- Demonstrate the ability to calculate accurate results
- Analyze data to make recommendations

VII. Resources

Textbook(s)

David M. Levine, Kathryn A. Szabat, & David F. Stephan (2016) Business Statistics: A First Course, 7th Edition | Pearson

Other Resources

Please make sure that you order your books with access codes for Pearson's MyStatLab. Below are the two most affordable options for the book and MyLab access. The first is an Ebook and MyLab access, and the second is a physical book and MyLab access. The ISBN numbers for these options are located in the second to last column before the price (last column).

MyLab	with eText	0321694843 9780321694845 05/14/2010 AS	95.40 net
MyLab + Student Value Edition	with eText	0134268148 9780134268149 04/30/2015 AS	157.30 net

VIII. Course Outline and Expectations

Expectations

This is an accelerated course lasting 7 weeks, and as such will require a higher work load each week than if this was a 16-week course. In order to fulfill the 135 contact hour expectations, this will mean that you will be expected to spend about 20 hours a week engaged with the course. Engagement means reading, watching videos, participating in discussions, working on homework/projects/activities/assignments, researching and analyzing materials, and other items assigned by the instructor.

Attendance/Participation

See [Student Policies and Standards](#) and [Student Handbook](#)

Academic Honesty

Please see the St. Thomas University [Catalog](#) for more information about academic honesty, including consequences of academic dishonesty (See [Student Handbook](#).)

Special Accommodations

Each qualified individual with a disability who meets the academic and technical standards required to enroll in and participate in STU's programs shall be provided with equal access to educational programs in the most integrated setting appropriate to that person's needs through reasonable accommodation.

(See [Student Handbook](#))

Course Communication Policy

You may expect a response to any email inquiries from your instructor(s) and/or coach(es) within twenty-four (24) to forty-eight (48) hours. You may expect feedback on course assignments within seventy-two (72) hours.

Course Communication Guidelines (Netiquette)

Netiquette is a set of rules for behaving properly online. Much of our communication in this course will take place in the forums and through email. Here are some guidelines for online communication in this course:

- Be sensitive to different cultural and linguistic backgrounds, as well as different political and religious beliefs.
- Use good taste when composing your responses. Swearing and profanity should be avoided. Also consider that slang terms can be misunderstood or misinterpreted.
- Don't use all capital letters when composing your responses. This is considered "shouting" on the Internet and is regarded as impolite or aggressive. It can also be stressful on the eye when trying to read your message.
- Be respectful of others' views and opinions. Avoid "flaming" (publicly attacking or insulting) others.
- Be careful when using acronyms. If you use an acronym it is best to spell out its meaning first, then put the acronym in parentheses afterward, for example: Frequently Asked Questions (FAQs). After that you can use the acronym freely throughout your message.
- Use good grammar and spelling, and avoid using text messaging shortcuts.

- In emails, always identify yourself and what class and section you are in. It is a good practice to put your course and section in the subject line. This helps your instructor identify course related emails.

(See [GRADUATE CATALOG](#))

IX. Technology Requirements

Computer/Technology Requirements

Online students will need regular access to a personal computer that runs on a broadband Internet connection.

- [What are the basic computer specifications for Canvas?](#)
- [Which browsers does Canvas support?](#)
- [Mobile Guides - Canvas Student](#)

Computer/Technology Skill Requirements

Online students will need to possess basic computer skills, including the ability to successfully use Internet browsers to navigate the internet. Students are expected to exhibit basic skills in Microsoft Word, Microsoft Excel, and Microsoft Powerpoint.

- Using the eLearning environment.
- Emailing your instructor and attaching files to emails using the Inbox.
- Verifying your browser is the most current version and browser privacy settings are correct. See the next section below.
- Creating files using MS Word, MS Excel, MS PowerPoint and attaching these files to your assignment submissions.
- Managing your files. Create a folder for each course you are taking under My Documents on your computer. Create a folder for each week. Save your files often and with Lastname_WeekX-assignmentX.docx. It's recommended that you save several versions to revert back to by adding -v1, -v2 etc. to the end of your filename for example Lastname_Week1-assignment1-v1.docx and Lastname_Week1-assignment1-final.docx.
- Uploading MS Word, MS PowerPoint, MS Excel, PDFs in completing assignments.
- You may also be asked to use a webcam and upload videos or audio files, use social media to communicate with your peers, or collaborate electronically.

- Researching information in the Library or using the Library databases. Make sure to include citations to avoid plagiarism.
- Copying and pasting (Control C for copying and Control V for pasting on a PC, Command C for copying and Command V for pasting on a Mac) into a MS Word document or PowerPoint file.
- Downloading and installing software and applications.

Learning Management System (Canvas)

Students are provided with guides and online ticketing service when an LMS issues arises. To access the 24/7 help desk and resources, access the Help option by clicking on the question mark icon in the global navigation bar on the left side of your course page.

[Canvas Student Guide](#)

Pearson MyLab Software

This course will use Pearson’s MyStatLab software to complete the weekly assignments and final exam. You will need to ensure you purchase access for it with your textbook and register on the MyLab website included in Module 1. There is help for this product via the support link at the bottom of the webpage, or here:

<https://www.pearsonmylabandmastering.com/northamerica/mymathlab/students/support/index.html>

Web Conferences/Synchronous sessions (ZOOM)

Applicable to the particular course. Language usually comes from the instructor. Should include links to support information for whatever technology is being used for these sessions.

[ZOOM](#)

X. Grading and Evaluation

Final Grade Calculation

Tasks	Points Each	Points
7 Weekly Discussions	10	70
6 Weekly MyLab Assignments	30-90	390
3 Projects	125-200	500
Final Exam	250	250
Total Points		1210

To illustrate, if you earned 1125 points across all your assignments, your percentage would be 92.975% (1125/1210). Thus, your grade would be an A.

Please see the Modules and Assignments in Canvas for more details and due dates.
In general, initial discussion posts are due on Thursdays by 11:59PM, posts in response to your peers are due on Sundays by 11:59PM. Assignments are due on Sundays by 11:59PM. Your Instructor can augment these due dates if necessary. If due dates fall on a religious holiday, it will be reassigned to the following day.

Grading

See [Student Policies and Standards](#).

In determining the final course grade, the following percentage scale will be used:

Percentage	Letter Grade	Description
100 - 93	A	Excellent; superior
92 - 90	A-	Very Good
89 - 87	B+	With merit; good
86 - 83	B	Good
82 - 80	B-	Above-satisfactory
79 - 77	C+	Above-satisfactory
76 - 73	C	Unsatisfactory
72 - 70	C-	Unsatisfactory
69 - 67	D+	Unsatisfactory
66 - 60	D	Unsatisfactory
59 - 0	F	Failure

Rubrics

This course uses rubrics for discussions and for the projects, which are included in Canvas with each assignment. The Pearson MyLab activities do not have rubrics, as those are just the transfer of points from the Pearson system to the Canvas Placeholder Assignment each week.

Late Work Policy

The only late work that will be considered are those instances where the student has communicated with their instructor regarding unavoidable circumstances, such as reporting an illness and submitting a doctor's note to their instructor.

See [Student Policies and Standards](#)

XI. Course Evaluation

At the end of this course, students are encouraged to complete a course evaluation through the link provided in Module 7.

St. Thomas University greatly values the input of students regarding their experiences with their courses and professors. All course evaluations are done online by the students. All course evaluations are open on the last week of every course. The course evaluation must be completed during the designated time window of the course. Complete your Course Evaluation online at <http://www.stu.edu/evaluations>

XII. Course Schedule

The following are the topics for each module:

Module 1	Topic: INTRODUCTION TO STATISTICS
	Readings: Levine et al. (2018). Chapters 1 -3.
	Assignments: <ol style="list-style-type: none"> 1. MyStatLab Assignments and Quizzes Ch 1-3 2. Discussion
Module 2	Topic: PROBABILITY
	Readings: Levine et al. (2018). Chapters 4 and 5.
	Assignments: <ol style="list-style-type: none"> 3. MyStatLab Assignments and Quizzes Ch 4-5 4. Project 1 (See Canvas) 5. Discussion
Module 3	Topic: DISTRIBUTIONS & CONFIDENCE INTERVALS
	Readings: Levine et al. (2018). Chapters 6 - 8.
	Assignments: <ol style="list-style-type: none"> 1. MyStatLab Assignments and Quizzes Ch 6-8

	2. Discussion
Module 4	Topic: HYPOTHESIS TESTING, ANOVA, & CHI SQUARE
	Readings: Levine et al. (2018). Chapters 9 -11.
	Assignment: <ol style="list-style-type: none"> 1. MyStatLab Assignments and Quizzes Ch 9-11 2. Project 2 (See Canvas) 3. Discussion
Module 5	Topic: REGRESSION PART I
	Readings: Levine et al. (2018). Chapters 12 -13.
	Assignment: <ol style="list-style-type: none"> 1. MyStatLab Assignments and Quizzes Ch 12 2. Discussion
Module 6	Topic: REGRESSION PART II
	Readings: Levine et al. (2018). Reread chapters 12 and 13.
	Assignment: <ol style="list-style-type: none"> 1. MyStatLab Assignments and Quizzes Ch 13 2. Discussion
Module 7	Topic: APPLICATIONS FOR STATISTICS
	Readings: Levine et al. (2018). Chapter 14. Articles in Canvas
	Assignment: <ol style="list-style-type: none"> 1. Project 3 (See Canvas) 2. Final Exam

XIII. Student Support

Disability Services

St. Thomas University complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990. No qualified individual with a disability

shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination in any STU activity, service, or program of the University solely by reason of his or her disability. Each qualified individual with a disability who meets the academic and technical standards required to enroll in and participate in STU's programs shall be provided with equal access to educational programs in the most integrated setting appropriate to that person's needs through reasonable accommodation. (See [Student Handbook](#))

Library Services/Tutoring

[The University Library](#) provides services for all St. Thomas University students, faculty, and staff. These services include full access to library materials, librarian assistance, circulation services, Interlibrary Loan, library instruction, services for distance education students, and services for online instructors. Additional library services include access to wireless networking, photocopying, scanning, and printing while on campus.

Student Health Services

The [Student Health Center](#) promotes the physical and mental health of the STU community in a professional and confidential manner covered by the student health insurance, including the Supplemental Plan. Appointments are recommended, but walk-ins are welcome.

Technology Support Services

[Office of Information Technology \(OIT\)](#)

For assistance with STU email or MyBobcat, please contact the OIT Helpdesk at:

Phone: 306-628-6610

Email: helpdesk@stu.edu

[What's my username?](#)

[Create/reset password](#)

XIV. Additional Course Information

Syllabus Subject to Change

While information and assurances are provided in this course syllabus, it should be

understood that content may change in keeping with new research and literature and that events beyond the control of the instructor could occur. Students will be informed of any substantive occurrences that will produce syllabus changes.