

Introduction to Business Statistics (QUA 107)

First Term (2020/2021) (1442H)

Course description

The course is designed for the purpose of providing an introduction to Business Statistics. This course basically deals with descriptive statistics, which will be the focus of the course with an abbreviated introduction to inferential statistics. The topics covered in the course include classifying, analyzing, and presenting numerical data; frequency distribution, averages, dispersion, basic probability, probability distributions, and Sampling Distributions.

Course objectives

The main purpose of this course is to provide basic knowledge about collecting, organizing, summarizing, describing, and presenting data to provide information, which are stated in numerical form, for the purpose of making effective business decisions.

The objectives of the course can be stated as follows:

- To provide the student with the basic concepts and terminology of statistical science, including graphical representation and descriptive measures.
- To cover different methods of arranging & tabulating and presenting data.
- To provide the student the basic concepts of probability theory.
- To understand the concept and importance of relationships between variables and to fit mathematical models.
- To understand and use Excel software for data analysis and decision making.
- To prepare the student to perform scientific interpretation of economic and social phenomena to assist various policy and decision makers.

Required Materials (*More Information on Page: 5*)

David M. Levine, Kathryn A. Szabat, David F. Stephan: **Business Statistics: A First Course, 7th Global Edition**, Pearson.

Textbook ISBN-13: 978-1-292-09593-6

MyLab Statistics: You are required to purchase access to MyLab Statistics, if you fail to do so you will lose up to 20% of total course credit.

Required Chapters: 1, 2, 3, 4, 5, and 6

Study Plan (5%)

- In MyLab Statistics, each student will complete an individualized Study Plan that reflects their progress through the course material.
- Each **Section/ Chapter** of the textbook covered in class is associated with up to 4-6 Objectives, each objective is worth one Mastery Point.
- Each Objective may be practiced by using the Practice button in the Study Plan. *You will be graded based on the number of mastery points earned and **you can earn mastery points by successfully taking a Quiz Me.***
- If you are having trouble with a particular question, while you are in the problem, you may want to click Help Me Solve This, View an Example, or Textbook Pages.
- If you still need help, please post a question on the Discussion Forum for the assigned Chapter. Remember, working study Plan problems is the best preparation for the exams.

Homework Assignment (5%)

- The assignments are drawn from the problems at the end of each textbook chapter and practice problems. You should correctly answer each question **prior to the posted due date**.
- Homework problems that are attempted and submitted **will NOT be accepted**.
- Make sure you perform well as possible on the Homework!

Homework Schedule (Male & Female)

Homework	Start		End (Due Dates)		
HW Ch1	Thursday	10/09/2020	6:00pm	Saturday	19/09/2020
HW Ch2		17/09/2020			26/09/2020
HW Ch3		24/09/2020			03/10/2020
HW Ch4		15/10/2020			24/10/2020
HW Ch5		22/10/2020			31/10/2020
HW Ch6		29/10/2020			07/11/2020
11:59pm					

Quizzes (10%)

- Quizzes are given based on the timetable below “Quizzes Schedule”. Students are expected to work on quizzes individually.
- These quizzes are provided as an aid for preparing for the midterm and the final exam.
- The quiz will contain 8-15 questions and **you will only have 60 minutes to take the quiz**.
- The instructor reserves the right to utilize whatever format (true-false, multiple choice, fill in the blank, essay/short answer) or combination of formats he/she deems necessary and in the students’ best interest.
- Remember, you only have one attempt and **your overall quizzes evaluation will be based on the best 3 out of 4 quizzes**.

Quizzes Schedule (Male & Female)

Quizzes	Day	Date	Start	End
Quiz Ch2	Sunday	27/09/2020	8:00pm	9:00pm
Quiz Ch1-3	Tuesday	06/10/2020	8:00pm	9:00pm
Quiz Ch4	Wednesday	28/10/2020	8:00pm	9:00pm
Quiz Ch4-5	Tuesday	10/11/2020	8:00pm	9:00pm

Exams

- There shall be **three** examinations given during this course, **two midterms and a final examination**.
- The 1st midterm is the 6th week--and the 2nd is the 11th week of the term.
- The instructor reserves the right to utilize whatever format (true-false, multiple choice, fill in the blank, essay/short answer) or combination of formats she deems necessary and in the students' best interest.
- There is no make-up for missed Midterm exams and Final exams. Students are expected to take the exams during the week they are given.
- Remember, you only have one attempt and all midterm/final exams are closed book!

Exams Dates

Exam	Day	Date	From	To	Points
First Midterm	Wednesday	07/10/2020	05:00pm	06:30pm	20%
Second Midterm	Wednesday	11/11/2020	05:00pm	06:30pm	20%
Final Exam	Based on University Schedule				40%

Evaluation

Assessment Task	Proportion of Assessment
Study Plan	5%
Homework Assignment	5%
Quizzes	10%
First Midterm Exam	20%
Second Midterm Exam	20%
Final Exam	40%
Total	100%

Attendance Policy

- Regular and punctual attendance at all scheduled classes is expected from all students.
- Students may be denied entry to the final exam **if they miss more than 25% of classes**.

**This syllabus is subject to change by the Quantitative Analysis Department only at any time. Changes, if any, will be announced in class. Students will be held responsible for all changes.*

Course outline

• Content of the Course and lectures Plan

Hours	Content	Assignments			
		SP	HW	Quiz	Exam
2	Getting Started	1	1	None included	
2	Ch1: Defining and Collecting Data <ul style="list-style-type: none"> Defining Variables Collecting Data Types of Sampling Methods Types of Survey Errors 	1	1	1	First Midterm Exam & Final Exam
6	Ch2: Organizing and Visualizing Variables <ul style="list-style-type: none"> Organizing Categorical Variables Organizing Numerical Variables. Visualizing Categorical Variables. Visualizing Numerical Variables. 	1	1	1	
6	Ch3: Numerical Descriptive Measures <ul style="list-style-type: none"> Measures of Central Tendency Variation and Shape Exploring Numerical Data Numerical Descriptive Measures for Population 	1	1	1	
First Midterm (20 points)					
6	Ch4: Basic Probability <ul style="list-style-type: none"> Basic Probability Concepts Conditional Probability Multiplication Rule 	1	1	1	Second Midterm Exam & Final Exam
6	Ch5: Discrete Probability Distributions <ul style="list-style-type: none"> Expected Value and Variance, Standard Deviation of Discrete variable. Binomial Distribution Poisson Distribution 	1	1	1	
Second Midterm (20 points)					
6	Ch6: Continuous Probability Distributions <ul style="list-style-type: none"> The Normal Distribution Evaluating Normality 	1	1	1	Final Exam
1 “if time allows”	Ch7: Sampling Distributions Introduction to Sampling Distribution of the Mean				

Required Materials

- **Title:** Business Statistics: A First Course, 7th Global Edition, Pearson
- **Authors:** Levine, Szabat, and Stephan
- **Textbook ISBN-13:** 978-1-292-09593-6
 - *Required Chapters: 1, 2, 3, 4, 5, and 6*

MyLab Statistics

- In order to be able to work on the Study Plan, Homework, Quiz; the student **MUST** purchase MyLab Statistics Access Code (**which will INCULDE the eTextbook**), if you fail to do so you will lose up to 20% of total course credit.
- MyLab Statistics is a platform that is connected to the student's LMS to enrichen the learning experience. It provides the student with access to the eTextbook, Example, and other multimedia material.

Learning Management System Support (Blackboard Support)

- **Webpage:** <https://daleel.ksu.edu.sa/ar>
- **Tel#:** 00966 11 4677297
- **Tel#:** 00966 11 4675557
- **Email:** itsupport@ksu.edu.sa

How to purchase the Book\ eBook\ MyLab Statistics Code

- **Student Fund Market** webpage *direct link*: https://salla.sa/student_fund/my-lab-statistics-a-first-course-global-7th-edition/p2130282455
- **Student Fund Market** webpage: https://salla.sa/student_fund
- **Student Fund Support Tel#**: [+966540428743](tel:+966540428743)

The screenshot shows the Student Fund Market website interface. At the top, there is a search bar and a navigation menu with options like 'تبعنا عبر تويتر', 'كتب المسار العلمي', and 'كتب المسار الصحي'. The main content area displays the product 'my lab statistics, a first course. global 7th edition. access code.' with a price of 120 SAR. There is a quantity selector set to 1, and a button to 'اسحب و افلت الصورة هنا أو تصفح من جهازك'. The right side of the page features a large image of a library with the text 'مركز بيع الكتب' and the King Saud University logo. At the bottom, there are social media icons and contact information for SFKSU.

Activate your MyLab Statistics Code

In order to activate Code, You have to connect through your LMS.KSU.EDU.SA page and Select your section QUA_107, following these steps:

Step 1:

USERNAME
439103339

PASSWORD

Login

Step 2:

ابحث عن مادة
QUA_107

Tools

- Calendar
- My Grades
- Send Email
- Personal Information
- Goals
- Application Authorization

My Announcements

No Institution Announcements have been posted in the last 7 days.

No Course or Organization Announcements have been posted in the last 7 days.

Download Blackboard's Student App Today

Access grades, course content, and more - right from the Bb Student app on your phone. Available today on iOS, Android, or Windows:

My Courses

Courses where you are: Student

- ARAB101_43495_1_411: المهارات اللغوية: (La...
- ECON102_6349_1_411: مبادئ الاقتصاد الكلي (Macroeconomics)
- MKT_201_42812_1_411: مبادئ التسويق (Pri...
- ACCT201_31387_1_411: مبادئ المحاسبة والتقارير المالي (Principles of Accounting & Financial Reporting)
- ACCT201_31386_1_411: مبادئ المحاسبة والتقارير المالي (Principles of Accounting & Financial Reporting)
- MIS_201_70136_1_411: نظم المعلومات الإدارية: (Management Information Systems)
- MIS_201_70135_1_411: نظم المعلومات الإدارية: (Management Information Systems)
- MIS_201_70137_1_411: نظم المعلومات الإدارية: (Management Information Systems)

Step 3:

The screenshot shows a course management system interface. On the left is a dark sidebar menu with the following items: 'نظم المعلومات الإدارية (Management Systems)', 'MIS 201 | 70135', 'ملف (Profile)', 'Homeworks (الواجبات)', 'Quizzes (الإختبارات القصيرة)', 'eBook (الكتاب)', and 'Results (النتائج)'. The main content area is titled 'Homeworks (الواجبات)' and contains three entries, each with a Pearson logo and the text 'Access your MyLab MIS XL assignment':

- Homework 1** (highlighted with a yellow circle)
- Homework 2**
- Homework3**

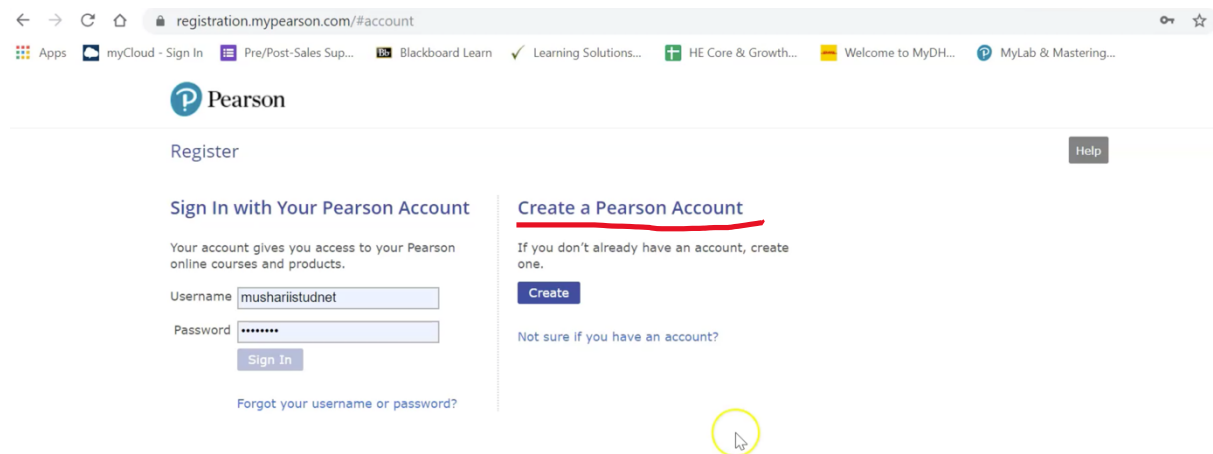
Step 4:

The screenshot shows a web browser window with the URL 'tpi.bb.pearsoncmg.com/tpi/UserConsent'. The page title is 'PEARSON End-User License Agreement and Privacy Policy'. The main text reads: 'By registering to use a Pearson Education online learning system, I certify that I have read and agree to the Pearson End-User License Agreement and the Pearson Privacy Statement. I understand that my personal information may be stored in and/or accessed from jurisdictions outside of my resident country. I consent to this storage and/or access. The personal information that I use with a Pearson Education online learning system can include my name and contact information, my answers to questions that are part of the course, my marks on tests or other course requirements, and any comments about me made by my instructor.' Below this text are sections for 'Pearson Privacy Statement' and 'Pearson End-User License Agreement and Privacy Policy', each with a scrollable text area.

Step 5:

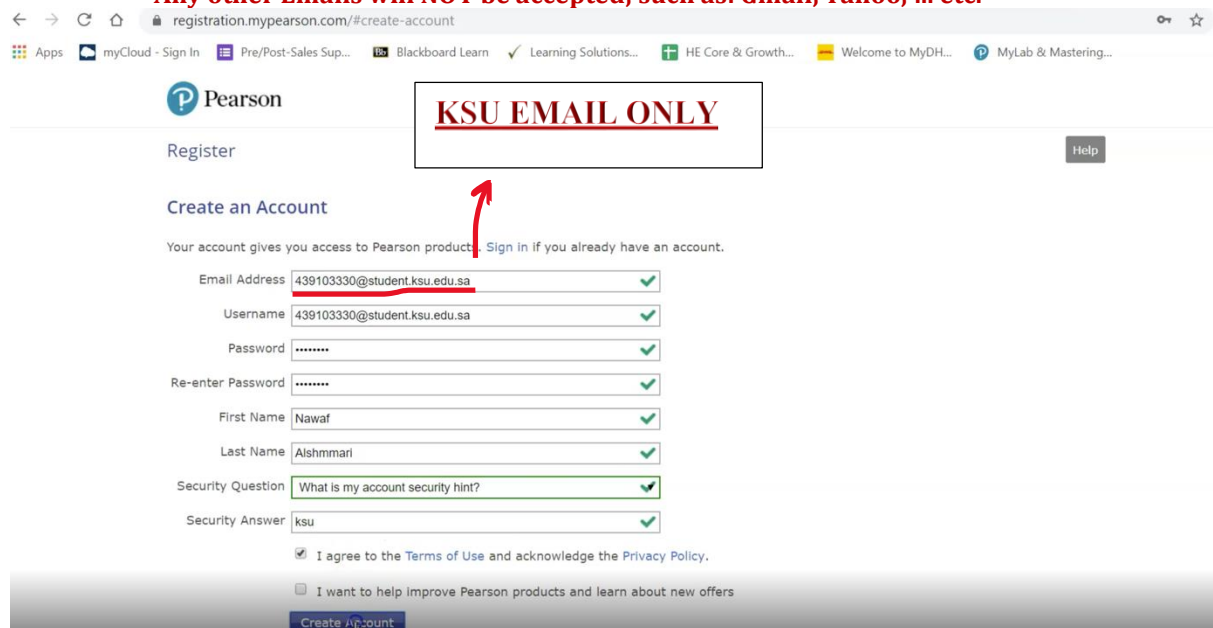
This screenshot is similar to Step 4, showing the same 'End-User License Agreement and Privacy Policy' page. At the bottom of the page, there are two buttons: 'I Decline' and 'I Accept'. The 'I Accept' button is highlighted with a red circle, indicating the user's selection.

Step 6:

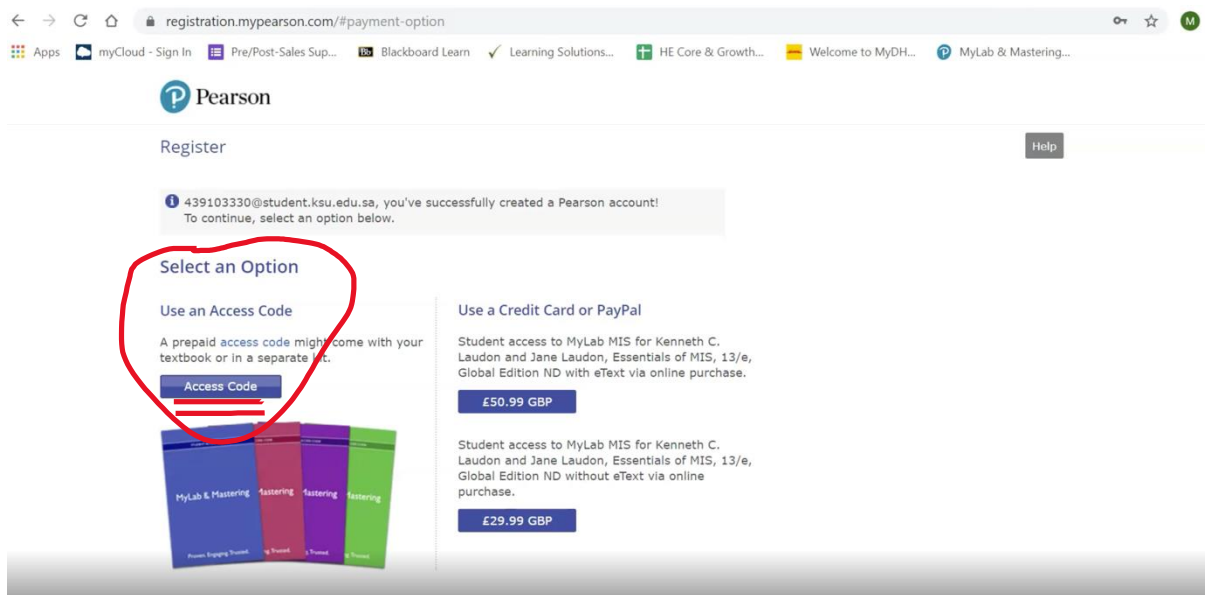


Step 7:

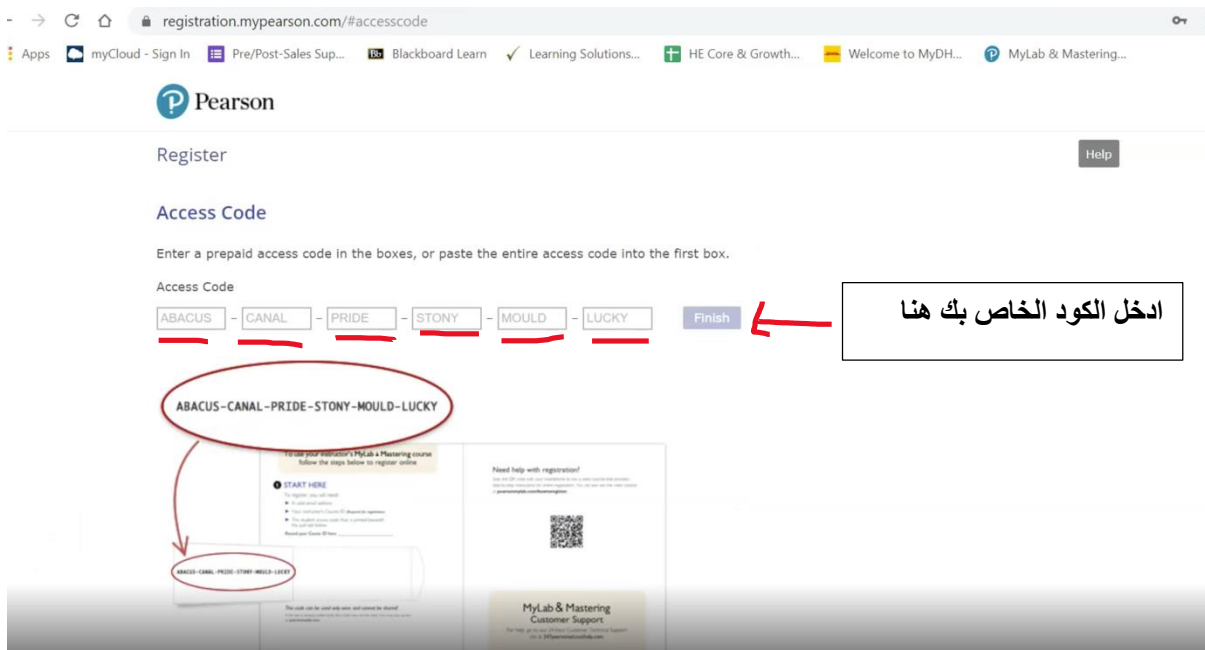
- Use your KSU Student Email.
- **Any other Emails will NOT be accepted; such as: Gmail, Yahoo, ... etc.**



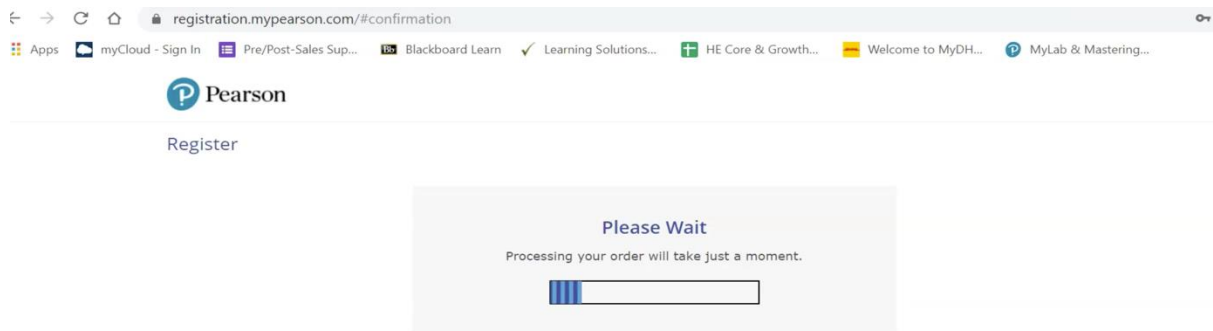
Step 8:



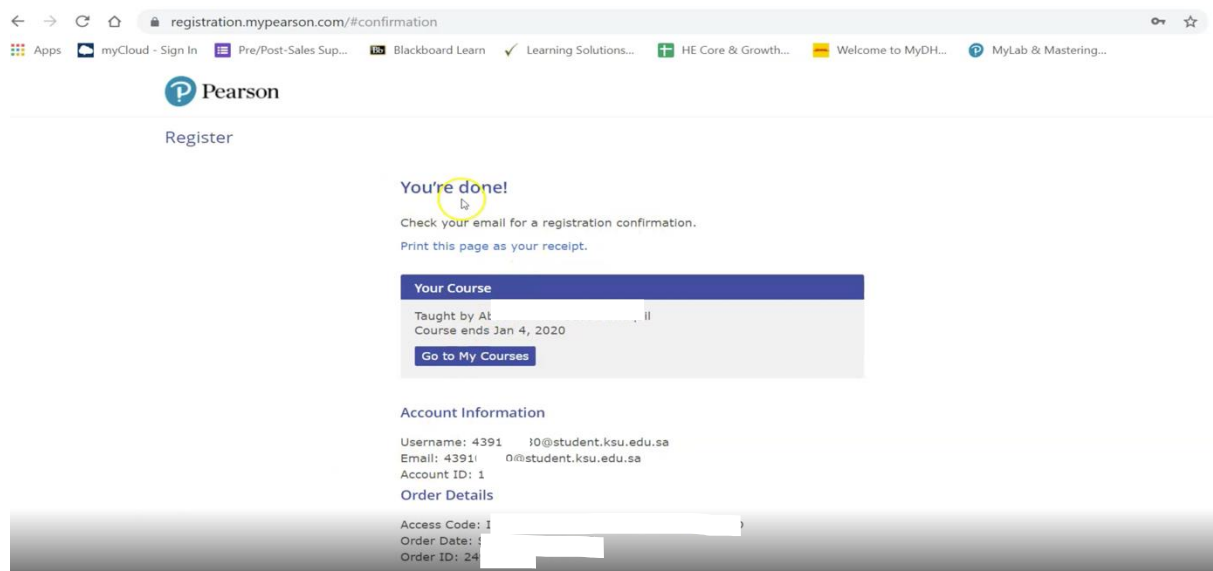
Step 9:



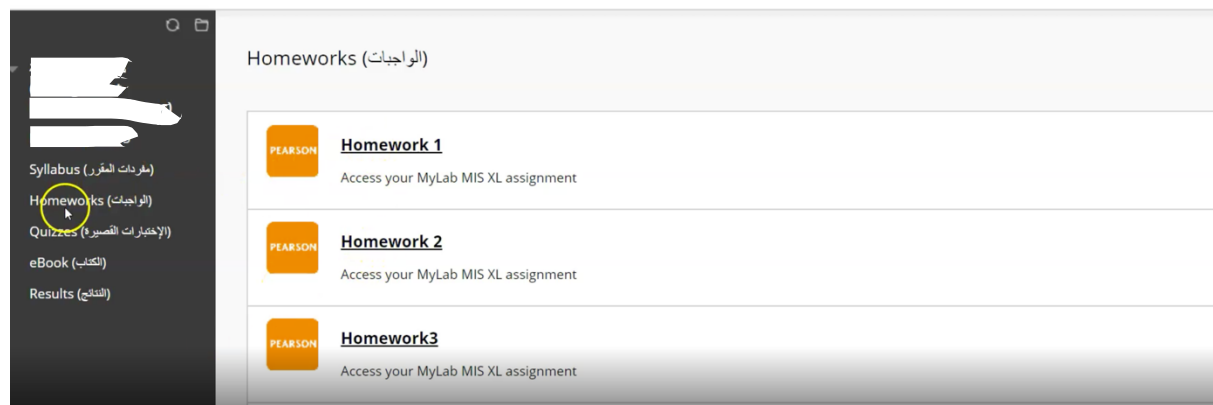
Step 10:



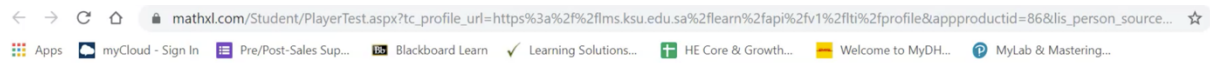
Step 11:



Step 12:



Step 13:



Prerequisite Warning


Before you can work on any remaining attempts on this assignment you must do the following:

- You must earn at least 5 of 5 MP on the Homework 2.

OK

Practice Exercises Information

King Saud University
College of Business Administration
Department of **Quantitative Analysis**.



Teaching Assistance Schedule – 1st Semester 1442

Instructor Name: **Bandar F. Abu-Tubilah**
Email: babutubilah@ksu.edu.sa
Cell number: 0540027266

Time	10:00AM-10:50AM	11AM-11:50AM	4PM-4:50PM
Sunday	207Qua Room: G3	207Qua Room: G3	107Qua Room:G3
Monday	207Qua Room: G3	107Qua Room: G3	207Qua Room:G3
Tuesday	107Qua Room: G3	207Qua Room: G3	207Qua Room:G3
Wednesday	107Qua Room: G3	107Qua Room: G31	107Qua Room:G3
Thursday	207Qua Room: G3	207Qua Room: G3	107Qua Room:G3

Vice Deanship for Development & Quality

CBA VISION: *To be a leader in business education and research that contributes in building a knowledge-based economy.*

CBA MISSION: *Creating a distinctive educational environment to prepare business professionals and leaders with international perspectives; conducting innovative research that contributes to the advancement of business knowledge and economic development; and building effective partnership with local and global communities.*

