Course Description:
This course covers basic statistical concepts and methods. Knowledge and proper usage of statistics are essential in all areas of business to reach informed decisions. The emphasis will be on interpretation of results rather than raw computations. However, computations will be overviewed to understand the results and identify the shortcomings of the method/data set used. Hence, managerial decisions can be made by using and understanding some basic statistical tools.

Learning Objectives:
Upon successful completion of the course, you should be able to:
- Understand the usage of statistics in business
- Understand the basic concepts of business statistics
- Collect, organize, present, and describe data
- Estimate and infer population by analyzing a sample
- Use statistical methods to apply management decisions.

Main Textbook:
6th edition is available online.

Helpful Books:
Online book

Available at METU Library

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<th>Author</th>
<th>Donnelly, Robert A. Author</th>
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<tr>
<td>Title</td>
<td>Business Statistics / Robert A. Donnelly.</td>
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Course Requirements:
Attendance is highly recommended, as part of the grading is based on class participation and discussion of the assignments. There will be one midterm and a final exam. In addition, the student is responsible for all material in the assigned readings, homework, handouts, and class discussions.

Grading:
Course Policy:

Class Attendance and Participation:
As this course highly emphasizes discussion, active participation and attendance is a must for this course.

Missed Exams/Assignments:
In case you cannot attend the final examination, if and only if you can present an official (dean's or president's office approved) excuse or METU Medical Center certified Health Report, you will be eligible to a make-up examination. There will be a comprehensive and detailed make-up examination after the final period in the semester.

Late Submission of Assignments will not be accepted.

Statement for Special Needs Students:
University Policies:
Academic Rules and Regulations for Undergraduate Study

Academic Honesty/Integrity/Ethics:
http://fbe.metu.edu.tr/metu-honour-code

METU Honor Code
Every member of METU community adopts the following honor code as one of the core principles of academic life and strives to develop an academic environment where continuous adherence to this code is promoted.
"The members of the METU community are reliable, responsible and honorable people who embrace only the success and recognition they deserve, and act with integrity in their use, evaluation and presentation of facts, data and documents."

Academic Writing Rules:
http://www.awc.metu.edu.tr
Online Business Growth Statistics. According to eMarketer’s latest forecasts, there was an increase of 20.1% in the worldwide business-to-consumer (B2C) eCommerce sales which reached $1.5 trillion. Forrester estimated that the total sales of the US online is $294 billion by the end of the year, and expected to grow to $414 billion by the end of 2018. Business Failure Rates and Startup Statistics. Every year 6.5 million businesses are launched, but only a few businesses enjoy long-term success. Business statistics provide information on the structure, economic activity and dynamic performance of businesses. With the increasing globalization and digitalization of our economies, users are demanding broader measures of business characteristics and economic performance linking the economy to society and to the environment. The Business Statistics Programme of the United Nations Statistics Division adopts a broad and integrated approach to business statistics in order to meet these new Business Statistics refers to the application of statistics in the workplace. Statistics involves the methods of gathering, analyzing, and interpreting data. If you have learned about statistics in the past, you may find some of the topics in Business Statistics familiar. The study of statistics in business. Statistics can be applied to any number of fields – from anthropology to hedge fund management. While business statistics helps in keeping a record of all the essentials involved in a business, business mathematics provides the tools one needs to study and manage these records. Now, here in this subject, we will be learning about these two domains along with their applications.