

Course Discussion Wiki Progress Microsoft Excel 2016 Data Analysis and Business Modeling

# Essential Statistics for Data Analysis using Excel

Resume Course

Welcome to **Essential Statistics for Data Analysis using Excel**. We're very excited to have you join us to learn the essentials of statistics and basic probability and how to apply them in Excel. We hope this helps you build on your data analysis and data science foundation and provides an enriching and engaging learning experience.

To get started, click on the **Course** tab at the top of the page and then read through the brief overview pages in the **Getting Started** section so you can become oriented to the course structure, the schedule, and how things will work in this course. If you are a new student to edX, we recomend you check out the edX Demo 101 course to show you how to take a course on edX. As always, we welcome your feedback so if something is confusing or doesn't work the way you expect, let us know and we'll do our best to address it. To get help with the course, click the **Discussion** tab and post a question to the appropriate forum. To get help with a technical problem, click **Help** to send a message to edX Student Support.

The course is designed for self-paced study of around 4 - 8 hours per week for six weeks, including lecture, further reading, assignments, and quizzes. All coursework must be submitted before the course end date, which is displayed on the **Home** page.

Module quizzes account for 40% of the total grade, the final exam accounts for 40% of the total grade, and lesson homework accounts for the remaining 20%. You must achieve an overall score of 70% to pass the course. You can check your progress on the **Progress** page and if you have registered for a verified certificate, when you have achieved a passing grade you can click the **Request Certificate** button to receive your certificate. After you request a certificate, your grade at the time you requested the certificate will appear on your dashboard, and will not update automatically to reflect any additional progress in the course. If you wish to update the grade on your dashboard, you can

request your certificate again, as many times as you wish. Note, however, that this is only for your convenience; your grade will not be reflected on your certificate, so additional progress will have no effect on the certificate itself. If you would like to learn more, you can read the edX documentation for ondemand certificates for additional details.

Again, welcome and thanks for taking this course from Microsoft.

**Expand All** Introduction Module 1 : Descriptive Statistics **Defining Data** Homework > Histograms and Skewness Homework Descriptive Statistics with Analysis ToolPak Homework > **Boxplots** Homework Categorical Data, PivotTables, and PivotCharts Homework > Summarizing Hierarchical Data Homework 80-20 Rule and Pareto Charts Homework Module 1 Discussion Module 1 Quiz Quiz Module 2: Basic Probability

	>	Introduction to Probability Homework	$\bigcirc$
	>	Law of Complements Homework	<b>⊘</b>
	>	Mutually Exclusive and Independent Events Homework	<b>⊘</b>
	>	Conditional Probability Homework	<b>②</b>
	>	Law of Total Probability and Bayes Rule Homework	<b>⊘</b>
	>	Additional Reading and Review	$\bigcirc$
	>	Module 2 Discussion	$\bigcirc$
	>	Module 2 Quiz	$\bigcirc$
		Quiz	
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	~	Central Limit Theorem Homework			
		Definition of Central Limit Theorem	$\bigcirc$		
		Computing Probabilities with Central Limit Theorem	$\bigcirc$		
		Homework			
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		Homework			
	>	Module 3 Discussion			
	>	Module 3 Quiz Quiz	$\bigcirc$		
<b>~</b>	Module 4 : Sampling and Confidence Intervals				
	>	Populations and Samples Homework	$\oslash$		
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		Mean, Variance and Standard Deviation of Sample Mean (Xbar)			
		Examples of Sample Mean (Xbar)			
		Estimate Population Proportion using P-hat			
		Homework			
	>	The Standard Normal Homework			
	>	Confidence Interval Estimation Homework			
	>	Sample Size Determination Homework			

- The Finite Correction Factor Homework
- Additional Reading
- Module 4 Discussion
- Module 4 Quiz Quiz
- Module 5 : Hypothesis Testing
- **>** Final

#### **Course Tools**

**■** Bookmarks

Updates

## **Important Course Dates**

#### **Course End**

9 months ago - Apr 1, 2018

This course is archived, which means you can review course content but it is no longer active.

Today is Jan 3, 2019 11:10 IST

### **Course Handouts**

Course Syllabus

Statistics Primer: A Brief Overview of Basic Statistical and Probability Principles



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