Math 113 - Homework Exercises

#	Topic	Ch	Due Date	Score
1	Descriptive and Inferential Statistics	1	Fri, Jan 18	_____
2	Levels of Measurement	2	Wed, Jan 23	_____
3	Interpreting Graphs	3	Fri, Jan 25	_____
4	Finding Descriptive Statistics	4	Wed, Jan 30	_____
5	Manipulating the Data	5	Fri, Feb 1	_____
6	Probabilities from Contingency Tables	6	Fri, Feb 8	_____
7	Probabilities of Compound Events	7	Wed, Feb 13	_____
8	Counting and Probability Dists.	8	Mon, Feb 18	_____
9	Binomial Probabilities	9	Wed, Feb 20	_____
10	Standard Normal Probabilities	10	Fri, Feb 22	_____
11	Non-Standard Normal Probabilities	11	Mon, Feb 25	_____
12	Types of Sampling	12	Mon, Mar 3	_____
13	Sampling Distributions	13	Fri, Mar 7	_____
14	Confidence Int. for One Mean	14	Mon, Mar 10	_____
15	Confidence Int. for One Proportion	14	Wed, Mar 12	_____
16	Introduction to Hypothesis Testing	15	Mon, Mar 17	_____
17	Testing One Mean	16	Mon, Mar 31	_____
18	Testing One Proportion	16	Wed, Apr 2	_____
19	Testing Two Means	17	Fri, Apr 4	_____
20	Testing Two Proportions	17	Mon, Apr 7	_____
21	Chi-Square Distributions	18	Fri, Apr 18	_____
22	One-Way Analysis of Variance	19	Wed, Apr 23	_____
23	Two-Way Analysis of Variance		Fri, Apr 25	_____
24	Correlation	20	Wed, Apr 30	_____
25	Simple Regression	20	Fri, May 2	_____
26	Regression and ANOVA	20	Mon, May 5	_____
27	Multiple Regression		Wed, May 7	_____

Math 113 - Homework Exercises

Homework from the textbook is not assigned or collected in this course. Instead of assigning problems from the book, I have created some problems that will be answered on the computer and submitted for a grade. You will need your calculator while working these problems but you do not need Minitab.

Click on Homework Exercises link from the homepage to get to the homework.

There is at least one homework assignment for each chapter and some chapters have more than one assignment. Where appropriate, the chapter from your textbook is indicated in parentheses after the homework title. This is so that you can know where to read in your book for additional help.

Random data is used to generate the problems and so each homework assignment is slightly different, but the concepts and difficulty levels are the same for each set of problems. Real data has been used when possible.

It is very important that you carefully read all of the material on the page.

Be careful when you are typing your answers. The default behavior for browsers is to submit a form if you press *enter*. If you intend to move to the next question, you should use the tab key or mouse. Do not click enter unless you have answered everything you want to answer on the page.

If a question has a numeric answer, you will be told how many decimal places you need to give in your answer. This usually appears in parentheses after the answer box, but sometimes it is in the instructions. This is the minimum number of decimal places, you may give more. Many answers depend on previous answers but the intermediate steps are not rounded. That means that even though you may only need 2 decimals in the answer, you probably do your calculations with 4 or more decimals.

Here's an example to illustrate. Give all answers with 2 decimal places. Start with 30. Divide by 7. Multiply by 13. $30/7 = 4.285714286$ and $30/7*13 = 55.71428571$. If you enter 4.29 and 55.71 (or 4.2857 and 55.714), you'll get both questions correct. If you enter 4.29 and then $4.29*13 = 55.77$, you'll miss the 55.77.

When you click "Submit", the computer will provide immediate feedback by showing you which problems you have correct and giving you a chance to fix the ones that you missed. Most of the time, you may submit an exercise three times before you have to "Generate" a new set of exercises.

You may try each exercise as many times as you like, but you only get three attempts at each one. The highest grade that you get will be recorded in the gradebook, so feel free to practice until you master the exercises. There are going to be problems like the homework exercises on the exam, so you may want to revisit the exercises as part of your review for the exam.

Each homework exercise is worth 5 points and you usually have two classes periods after we finish the material before it is due. The due dates and times are shown online at the top of each exercise. Late work will be accepted, but it will lose 20% of its value for each class period it is late.