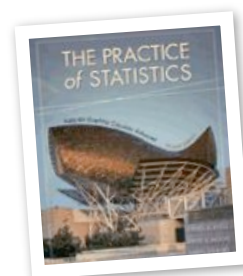


## AP STATISTICS CHAPTER 14: CHI-SQUARE PROCEDURES

"A STATISTICAL ANALYSIS, PROPERLY CONDUCTED, IS A DELICATE  
DISSECTION OF UNCERTAINTIES, A SURGERY OF SUPPOSITIONS."

~ M.J. MORONEY



Tentative Lesson Guide					
Date	Stats	Lesson	Assignment	Done	
Mon	3/26	14.1	Inference for Regression	Rd 780-793 <b>Do 2-4, 6, 10, 11</b>	
Tues	3/27	14.1	Practice	14.1 Practice Page	
Wed	3/28	Rev	Inference Review	Inference Review Page	
Thu	3/29	<b>Rev</b>	<b>Review</b>	Rd 798-800 <b>Do 18, 19, 23, 24</b>	
Fri	3/30	<b>Ex</b>	<b>Exam Chapter 14</b>	<b>Organize Course Materials</b>	
<b>Have a Safe, Enjoyable Spring Break!</b>					
4/10 -	4/12	<b>Rev</b>	<b>Final Exam Review</b>		
Fri	4/13	<b>MC</b>	<b>Multiple Choice Final</b>	<b>40Q Multiple Choice Exam</b>	
Mon	4/16	<b>FRQ</b>	<b>Free Response Final</b>		
Tue	4/17	<b>FRQ</b>	<b>Free Response Final</b>	<b>Mr M's 31<sup>st</sup> Birthday!</b>	
4/18 -		<b>AP Statistics Exam Review</b>			
5/8		<b>AP Statistics Exam</b>			

### Note:

The purpose of this guide is to help you organize your studies for this chapter. The schedule and assignments may change slightly.

Keep your homework organized and refer to this when you turn in your assignments at the end of the chapter.

### Class Website:

Be sure to log on to the class website for notes, worksheets, links to our text companion site, etc.

<http://web.mac.com/statsmonkey>

Don't forget to take your online quiz!. Be sure to enter my email address correctly!

<http://bcs.whfreeman.com/yates2e>

My email address is:

[jmmolesky@isd194.k12.mn.us](mailto:jmmolesky@isd194.k12.mn.us)

## Chapter 14 Objectives and Skills:

These are the expectations for this chapter. You should be able to answer these questions and perform these tasks accurately and thoroughly. Although this is not an exhaustive review sheet, it gives a good idea of the "big picture" skills that you should have after completing this chapter. The more thoroughly and accurately you can complete these tasks, the better your preparation.

### Conditions for Inference

- Describe conditions necessary to perform inference about the model.
- Show inferential conditions are met for regression situations.

### Confidence Interval for Slope

- Calculate and interpret a Level C confidence interval for the slope of the true regression line.
- Interpret the slope of the true regression line in the context of the situation.

### Test the Hypothesis of No Linear Relationship

- Perform a significance test on the  $H_0$ : slope = 0.
- Interpret computer output regarding a significance test on the slope of the true regression line.

### Calculator Skills

- Enter bivariate data into the List Editor.
- Construct and interpret a Scatterplot.
- Calculate the LSRL.
- Interpret  $r$  and  $r^2$ .
- Construct and interpret a Residual Plot.
- Perform a LinRegTTest.
- Use LinRegTTest output to determine SEslope.

```
LinRegTTest
Xlist:L1
Ylist:L2
Freq:1
 $\beta$  &  $\rho$ : $\neq 0$  <0 >0
RegEQ:
Calculate
```

