

A.P. Statistics Summer Assignments

- 1) Go on the following website:

<http://oli.web.cmu.edu/openlearning/forstudents/freecourses/statistics>

Click on “Peek In”

Statistics

Introduces the basic concepts, logic, and issues involved in statistical reasoning. Topics include **Exploratory Data Analysis, Producing Data and Study Design, Probability and Statistical Inference.**



Select a course version below to choose the format in which you want to do the activities. You will need your own copy of Microsoft Excel, Minitab, or R software to do the activities.



You don't have to register for this course, but if you would like to, then click on "Add Course" and set up an account for you with your own userID and password.

I find this an excellent website that provides clear examples and easy-to-follow explanations and instructions. I highly recommend it! It could also serve as a valuable resource for you in your study of statistics this coming year.

For starter, I would like you to read through Unit 1 for a brief introduction to and an overview of statistics and what this course is all about. Then go to Unit 3: Producing Data and go through Module 3 and Module 4 thoroughly, studying the examples given, answering all the questions, taking the self-quizzes, and doing all the "learning opportunities/activities" provided in each lesson.

- 2) Then, and only then, read Chapter 5: Collecting Data, sections 1 and 2, in your textbook. I think that only after you have done Unit 3 from the Online Statistics course will you be able to get more from reading the textbook.
- 3) Do the following problems from the textbook in a notebook that you will keep for this class.

Section 1: 5.3, 5.6, 5.11, 5.13, 5.18, 5.21, 5.23, 5.25, 5.29, 5.30

Section 2: 5.31, 5.35, 5.37, 5.39, 5.41, 5.44, 5.46, 5.51, 5.56

These problems are due on the first day of school, August 17, 2010.

Be ready for a quiz on sections 5.1 and 5.2 on the second day of class!