

Homework Assignments

| $\mathbf{1}$ | 1.1-1.4 | Role of Statistics |  | none |
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| $\mathbf{2}$ | $\mathbf{6 . 1 - 6 . 4}$ | Descriptive statistics: stem-and-leaf, histograms, mean, <br> median, variance and standard deviation, boxplots |  | 3 (also construct a box plot <br> for this data), 8, 11, 16, 56 |
| $\mathbf{3}$ | $2.1-2.2$ | Probability: sample space, events, interpretations of <br> probability |  | 30, 35, 42, 45, 47a, 54, 59, 63 |


| 18 | L | REVIEW FOR EXAM \#2 | STUDY FOR EXAM \#2 |
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|  | L | MIDTERM EXAM II: WEDNESDAY ~ MARCH 23, 2011 |  |
| 19 | L | (3/28) LAST DAY TO WITHDRAW FROM THIS COURSE |  |
|  | 8.1-8.3 | Confidence interval on the mean of a Normal distribution | 8, 14, 19ab |
| 20 | 8.1-8.3 | The t-Distribution | 24, 25, 34b |
| 21 | 8.4-8.6 | Confidence intervals on the variance, standard deviation, and population proportion | 42, 46ac, 48, 52ab |
| 22 | 9.1-9.2 | Hypothesis Testing Basics; Tests on the mean of a Normal distribution (rejection region approach only) | 30, 39a, 38a, 42a, 43a |
| 23 | 9.1-9.2 | Tests of hypothesis on the mean of a normal dist.: onesided and two-sided hypotheses, P-values | 38abc, 42abc, 43abc |
| 24 | 9.1 \& 9.3 | Type I and II error, Small sample tests on the mean | 36, 39abc, 37ab, 44, 50a, 52a (do not find a p-value), 107 |
| 25 | 9.4-9.5 | Tests on the variance and standard deviation, Test on a population proportion | 64, 73, 74a, 76, 80, 82a, 84 |
| 26 | 10.1-10.2 | Tests on the difference in the means of two Normal distributions | 5ab, 6ab, 32, 35ab |
|  | 10.4 | Paired t-test | 5ab, 6ab, 32, 35ab |
| 27 | L> | REVIEW FOR FINAL EXAM | STUDY FOR FINAL EXAM |
|  | L | TUE MAY 3 CLASSES FOLLOW A FRIDAY SCHEDULE |  |
|  | L | 5/4 READING DAY |  |
| Finals | FINAL EXAM WEEK: MAY 5-11, 2011 |  |  |

