

# APPENDIX A

## Cross-References to Two Statistics Textbooks

The table at the right relates text sections from *The Basic Practice of Statistics* (David S. Moore, Freeman Publishing Company) to topics in the *Statistics Handbook for the TI-83*.

This appendix cross-references topics in this handbook to *The Basic Practice of Statistics* and to *Elementary Statistics 6th Edition*.

Moore text	TI-83 topic	subject
1.1	1, 2	Histograms
	3, 9	Stem-and-leaf plots, Time plots
1.2	4, 6	Measures of center, Measures of spread, Boxplots
1.3	24	Normal distribution
2.1	7	Scatter plots
2.2	8	Correlation
2.3	11, 15	Least-squares regression, Influential observations
2.5	18, 17	Categorical data and two-way tables, Bar charts
3.1, 2	19	Designing samples and experiments (random numbers)
4.1	25, 21	Sample proportions, Coin toss
4.2	23	Probability histogram of discrete distribution (example: binomial)
4.3	25	Normal approximation for sample proportions
4.4	23	Binomial distributions
4.5	26	Distribution of sample means and the Central Limit Theorem
4.6	10	Control charts
5.1	33	Confidence interval and test for mean ( $\sigma$ known) and sample size
5.2	40	Test of significance for mean ( $\sigma$ known)
6.1	34, 41	Confidence interval and test for mean ( $\sigma$ unknown)
	37, 44	Matched pairs $t$ procedure
6.2	37, 44	Comparing two means C.I. and $t$ test
6.3	46	$F$ test for two standard deviations
7.1	35, 42	One population proportion C.I. and $z$ test and sample size
7.2	38, 45	Comparing two proportions C.I. and $z$ test
8.1	48	Inference for two-way tables
9.1	49	One-way analysis of variance
10.1	52, 53	Inference for regression

The table at the right relates text sections from *Elementary Statistics 6th Edition* (Mario F. Triola, Addison-Wesley Publishing Company) to topics in the *Statistics Handbook for the TI-83*.

Triola text	TI-83 topic	subject
1-4	19	Methods of sampling (random sampling)
2-2, 3	1, 2	Frequency and relative frequency tables and histograms
2-4, 5	4	Measures of central tendency, Measures of variation
2-6	5	Measures of position
2-7	3, 6	Stem-and leaf plots, Box plots
3-1	21	Law of large numbers (coin toss)
3-5	29, 30	Probabilities through simulations
3-6	22	Factorials, permutations, and Combinations
4-2	23	Probability histogram with mean and standard deviation
4-3	23, 31	Binomial distribution, Poisson distribution
4-4	23	Mean and standard deviation of a binomial distribution
5-2, 3	24	Normal distributions
5-4	26	Central Limit Theorem
5-5	24	Normal approximation to the binomial distribution (last part)
6-2	33, 34	Estimating a population mean: $\sigma$ known and $\sigma$ unknown
6-3	35	Estimating a population proportion
6-4	36	Estimating a population standard deviation
7-3	40	Testing a claim about a mean: large sample
7-4	41	Testing a claim about a mean: small sample ( $\sigma$ unknown)
7-5	42	Testing a claim about a proportion
7-6	43	Testing a claim about a standard deviation
8-2	44, 37	Inference about two means: dependent samples (test, C.I.)
8-3	44, 37, 28	Inference about two means: independent large samples, Variance of difference of two means
8-4	46	Comparing two variances (standard deviations)
8-5	44, 37	Inference about two means: independent small samples
8-6	45, 38	Inference about two proportions (hypothesis test, C.I.)
9-2 to 4	52	Correlation, regression, prediction intervals
9-5	53	Multiple regression
10-2	47	Multinomial experiments
10-3	48	Contingency tables
11-2, 3	49	One-way ANOVA
11-4	50, 51	Two-way ANOVA
12	10	Control charts
13-2 to 4	56 to 58	Sign Test, Wilcoxon Signed-Ranks and Rank-Sum Tests