

**MA 116 Statistics Videotapes Page 1 of 3**

The following tapes correspond to the text *Elementary Statistics 9<sup>th</sup> Edition*, by Mario Triola (Pearson Addison Wesley, 2005).

<u>Tape #</u>	<u>Section</u>	<u>Time</u>	<u>Title</u>
<b><i>Chapter 1 Introduction to Statistics</i></b>			
V116.40	1-2	08:50	Types of Data
	1-3	13:05	Critical Thinking
	1-4	10:22	Design of Experiment
<b><i>Chapter 2 Describing, Exploring, and Comparing Data</i></b>			
V116.40	2-2	22:36	Frequency Distributions
	2-3		Visualizing Data
	2-4	13:47	Measures of Center
	2-5	16:37	Measures of Variation
	2-6	14:50	Measures of Relative Standing
	2-7	10:36	Exploratory Data Analysis (EDA)
<b><i>Chapter 3 Probability</i></b>			
V116.41	3-2	19:42	Fundamentals
	3-3	15:19	Addition Rule
	3-4	16:35	Multiplication Rule: Basics
	3-5		Multiplication Rule: Complements and Conditional Probability
	3-6	07:19	Probabilities Through Simulations
	3-7	17:36	Counting
	<b><i>Chapter 4 Probability Distributions</i></b>		
V116.42	4-2	15:00	Random Variables
	4-3	17:10	Binomial Probability Distribution
	4-4		Mean, Variance, and Standard Deviation for the Binomial Distribution
	4-5	11:13	The Poisson Distribution

**MA 116 Statistics (Triola) Videotapes Page 2 of 3**

<u>Tape #</u>	<u>Section</u>	<u>Time</u>	<u>Title</u>
<b><i>Chapter 5 Normal Probability Distributions</i></b>			
V116.42	5-2	15:30	The Standard Normal Distribution
	5-3	14:17	Applications of Normal Distributions
	5-4	12:26	Sampling Distributions and Estimators
	5-5	14:44	The Central Limit Theorem
	5-6	12:29	Normal as Approximation to Binomial
	5-7	07:23	Determining Normality
<b><i>Chapter 6 Normal Distribution</i></b>			
V116.43	6-2	13:47	Estimating a Population Proportion
	6-3	10:15	Estimating a Population Mean: $\sigma$ Known
	6-4	10:00	Estimating a Population Mean: $\sigma$ Not Known
	6-5	08:59	Estimating a Population Variance
<b><i>Chapter 7 Hypothesis Testing</i></b>			
V116.43	7-2	12:46	Basics of Hypothesis Testing
	7-3	11:42	Testing a Claim about Proportion
	7-4	07:12	Testing a Claim about a Mean: $\sigma$ Known
	7-5	08:12	Testing a Claim about a Mean: $\sigma$ Not Known
	7-6	15:06	Testing a Claim about Variation
<b><i>Chapter 8 Inferences from Two Samples</i></b>			
V116.43	8-2	14:51	Inferences about Two Proportions
	8-3	13:56	Inferences about Two Means: Independent Samples
	8-4	13:41	Inferences from Matched Pairs
	8-5	11:47	Comparing Variation in Two Samples
<b><i>Chapter 9 Correlation and Regression</i></b>			
V116.44	9-2	07:34	Correlation
	9-3	08:54	Regression
	9-4	08:21	Variation and Prediction Intervals
	9-5	07:20	Multiple Regression
	9-6	17:28	Modeling

**MA 116 Statistics (Triola) Videotapes Page 3 of 3**

<u>Tape #</u>	<u>Section</u>	<u>Time</u>	<u>Title</u>
<b><i>Chapter 10 Multinomial Experiments and Contingency Tables</i></b>			
V116.44	10-2 10-3	20:00	Multinomial Experiments: Goodness-of-Fit Contingency Tables: Independence and Homogeneity
<b><i>Chapter 11 Analysis of Variance</i></b>			
V116.44	11-2 11-3	08:02 11:33	One-Way ANOVA Two-Way ANOVA
<b><i>Chapter 12 Nonparametric Statistics</i></b>			
V116.44	12-2 12-3	14:55	Sign Test Wilcoxon Signed-Ranks Test
<b><i>Chapter 13 Statistical Process Control</i></b>			
V116.44	13-2 13-3	15:22	Control Charts for Variation and Mean Control Charts for Attributes