MULTI-MEDIA MATERIALS FOR STAT 113

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics in STAT 113. Bring your ID card to the Learning Center and ask for the lesson by the call number below. If there is more than one number listed, there are several alternatives for the lesson. You may pick and choose which works best for you. Situational DVDs relate concepts to real-life situations. Tutorial DVDs present computations related to concepts.

TOPICS	SITUATIONAL DVDs	TUTORIAL DVDs	PLATO Available Under:
Fractions			Fraction Concepts and Operations
Decimals			Decimal Concepts and Operations
Percents			Percents
Introduction to the Practice of Statistics	SB1	I1, M1	Statistics: Introductory- Measures of Center and Spread
Observational Studies; Simple Random Sampling	SB11, SB14, SB13, SB2, H7,H14	I4 (Unit 15)	Statistics: Introductory- Measures of Center and Spread
Other Types of Sampling		I4 (Unit 17)	Statistics: Introductory- Measures of Center and Spread
Sources of Error in Sampling		I1	Statistics: Introductory- Measures of Center and Spread
The Design of Experiments	SB2, SB12, SB13, SB26, H6	I4 (Unit 18) , I1	Statistics: Introductory- Measures of Center and Spread
Organizing Qualitative Data	H8	M1	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Organizing Quantitative Data I	H8	I1, M1	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Organizing Quantitative Data II	H8, SB2	I1, M1	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Graphical Misrepresentations of Data			Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Measures of Central Tendency	H8, SB2, SB3, SB4	I1, M1, I2	Statistics: Introductory- Measures of Center and Spread
Measures of Dispersion	SB2, SB3, SB4, H8	I1, M1, I2	Statistics: Introductory- Measures of Center and Spread
Measures of Central Tendency and Dispersion from Grouped Data	SB2, SB3, SB4, H8	M1	Statistics: Introductory- Measures of Center and Spread
Measures of Position	SB2	I2, M1	Statistics: Introductory- Measures of Center and Spread
The Five-Number Summary; Boxplots	H8, SB3	I1, M1	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Scatter Diagrams; Correlation	SB8, SB9	I1, I3, M3	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots; Statistics: Correlation
Least-Squares Regression;		I3 (Unit 12), M3	Statistics: Inference, Data Analysis, and Normal Distributions
Diagnostics on the Least-Squares Regression Line		I3 (Unit 12), M3	Statistics: Inference, Data Analysis, and Normal Distributions
Nonlinear Regression: Transformations	SB7		Statistics: Inference, Data Analysis, and Normal Distributions
Probability of Simple Events	H9, SB15	J26, L4	Probability: Introductory
Probability: The Addition Rule; Complements	SB15	L1, L4	Probability: Introductory
Probability: The Multiplication Rule	SB16	L1, L4	Probability: Introductory
Conditional Probability	SB16		Probability: Conditional Probability
Counting Techniques	SB16		Probability: Applications, Permutations, Combinations
Probability Distributions	H9	L5	Statistics: Correlation
The Binomial Probability Distribution	SB17	L5, M2	Probability: Random Variables, Expected Values, Counting Rules
The Poisson Probability Distribution			Probability: Random Variables, Expected Values, Counting Rules
Properties of the Normal Distribution	H9, SB4, SB5,	I5 (Unit 19), M1, I2, M2	Statistics: Introductory- Measures of Center and Spread
The Standard Normal Distribution	H9, SB4	I2 (Unit 7 & 8), M1	Statistics: Introductory- Measures of Center and Spread
Applications of the Normal Distribution	H9, SB4	I2 (Unit 8), M2	Statistics: Introductory- Measures of Center and Spread
Assessing Normality	SB5		Statistics: Inference, Data Analysis, and Normal Distributions
Sampling Distributions; The Central Limit Theorem	H9, H10, SB18, SB14, SB17,H9	I5 (Unit 19), M2, I4	Probability: Random Variables, Expected Values, Counting Rules
The Normal Approximation to the Binomial Probability Distribution			Probability: Applications, Permutations, Combinations
Confidence Intervals About a Population Mean, σ Known or Unknown	SB19, H10	I5 (Unit 20), M2, M3	Statistics: Inference, Data Analysis, and Normal Distributions
Confidence Intervals About a Population Proportion	SB23, H10, I5	M2, M3	Statistics: Inference, Data Analysis, and Normal Distributions
The Language of Hypothesis Testing	SB20, SB21	I5 (Unit 21), M2	Statistics: Inference, Data Analysis, and Normal Distributions
Testing a Hypothesis About μ, σ Known or Unknown	SB20, SB21	I5, M2	Statistics: Inference, Data Analysis, and Normal Distributions
Testing a Hypothesis About a Population Proportion	SB23, H10	M3	Statistics: Inference, Data Analysis, and Normal Distributions
Testing a Hypothesis About μ, The Probability of a Type II Error; the Power of the Test			Statistics: Inference, Data Analysis, and Normal Distributions
Inference about Two Means: Dependent Samples, Independent Samples	SB22	M3	Statistics: Inference, Data Analysis, and Normal Distributions
Inference about Two Population Proportions	SB23, H10	M3	Statistics: Inference, Data Analysis, and Normal Distributions
Inference about Two Population Standard Deviations			Statistics: Inference, Data Analysis, and Normal Distributions
Chi-Square Goodness of Fit Test	SB24	M3	Statistics: Inference, Data Analysis, and Normal Distributions
Contingency Tables; Association	SB24	M3	Statistics: Inference, Data Analysis, and Normal Distributions
Chi-Square Test for Independence; Homogeneity of Proportions	SB24	M3	Statistics: Inference, Data Analysis, and Normal Distributions
Inference for Regression	SB25, SB7, SB8		Statistics: Inference, Data Analysis, and Normal Distributions