

MULTIMEDIA MATERIALS FOR URBG 710

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics in URBG 710 as well as the prerequisite skills needed to learn this content. 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.

TOPIC	SITUATIONAL DVDs	TUTORIAL CDs/DVDs	PLATO Available Under:
Introduction to the Practice of Statistics	SB1, I1	M1	Statistics: Introductory- Measure of Center and Spread
Observational Studies; Random Sampling	SB2, H14, H7, SB11, SB14, SB13		Statistics: Introductory- Measure of Center and Spread
The Design of Experiments	SB26, H6, I1, I4, SB2, SB12, SB13	M1	Statistics: Introductory- Measure of Center and Spread
Organizing Data/Stem and Leaf Plots/Graphical Representation	SB2, SB3, H6, H8, I1	M1	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Measures of Central Tendencies, Dispersion	SB2, SB3, SB4, H8, I2, I1	M1	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Scatter Plots/Correlation	SB8, SB9, I1, I3	M3	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Expected Value, Variance, and Standard Deviation	H9, I1	M1	Statistics: Inference, Data Analysis and Normal Distribution
Binomial Distribution	SB17	L5, M2	Statistics: Inference, Data Analysis and Normal Distribution
Normal Distribution	SB4, SB5, H9, I2, I5	M1, M2	Statistics: Introductory- Measure of Center and Spread
Sampling Distribution/Central Limit Theorem	I4, I5, H9, SB14, SB17, SB18	M2	Statistics: Inference, Data Analysis and Normal Distribution
Confidence Intervals: Population Mean	SB19, H10, I5	M2, Tables in M3	Statistics: Inference, Data Analysis and Normal Distribution
Confidence Intervals: Population Proportion	SB23, H10, I5	M2, Tables in M3	Statistics: Inference, Data Analysis and Normal Distribution
Hypothesis Testing: Population Mean	SB19, H10, I5	M2, Tables in M3	Statistics: Inference, Data Analysis and Normal Distribution
Hypothesis Testing: Population Proportion	SB23, I5, H10	M2	Statistics: Inference, Data Analysis and Normal Distribution
Inference about Two Means	SB22, H10	M3	Statistics: Inference, Data Analysis and Normal Distribution
Inference about Two Proportions	SB24, H10	M3	Statistics: Inference, Data Analysis and Normal Distribution
Chi-Square Test	SB24	M3	Statistics: Inference, Data Analysis and Normal Distribution
Regression Analysis/Correlation Analysis	I3, SB25, SB7, SB8, SB9, SB11	M3	Statistics: Inference, Data Analysis and Normal Distribution & Statistics: Correlation
Inference for Regression	SB7, SB8, SB25		Statistics: Inference, Data Analysis and Normal Distribution
Operations on integers		A1, D3, Y1	The Integers: Concepts and Operations
Operations on fractions		A1, Y3, S3	
Operations on decimals		D4, Y4	Decimals: Operations
Writing ratios and rates/Solving proportions		D4, X3, Y8	Rates, Ratio and Proportion
Solving percent problems		Y8	Percents
Operations on rational numbers		X1, S1, D3, Y2	Rational Numbers: Concepts and Operations
Integer exponents	J3	A6, B1, V6	Exponents and Order of Operations: Introductory
Order of operations		A1, Y2, Y4, S1, X1, D3	Exponents and Order of Operations: Introductory
Solving equations		A1, S2, V1, X2, X6, D2	Linear and Literal Equations and Formulas
Solving literal equations and formulas		A4, S2, V1	Linear and Literal Equations and Formulas
Solving inequalities	J5, J8	C1, V2, A5, V2, S2	Linear and Literal Equations and Formulas
Graphing linear equations	J10	A4, D6, W1, X5, Y7, S4, V3, Z7	Graphing Linear Equations
Finding the slope of a line	J10	A4, W1, Z7, Z8	Graphing Linear Equations
Writing the equation of a line		A4, W1, Z7, Z8	Graphing Linear Equations
Graphing linear inequalities	J21	V3	Graphing Linear Equations
Operations on polynomials		A2, S1	Polynomials: Concepts, Operations, Equivalence
Writing numbers in scientific notation		S1, X5, V6, W1	Scientific Notation
Factoring by removing the Greatest Common Factor	J4	X6	Factoring Polynomials
Factoring trinomials		A3, AT1, S2, V6, W1, X6	Factoring Polynomials
Operations on rational expressions		AT1, A5, D3, S3, V7, X7	Rational Expressions: Concepts, Operations and Solving
Simplifying complex fractions		AT1, V7, X7	Rational Expressions: Concepts, Operations and Solving
Solving equations containing rational expressions		A5	Rational Expressions: Concepts, Operations and Solving & Rationals and Radicals: Exponents and Equations
Operations on radicals		AT2, S4, AT1, S3, V8, X8	Rationals and Radicals: Exponents and Equations
Rationalizing the denominator and solving radicalequations		S4, V8, AT2, X9	Rationals and Radicals: Exponents and Equations
Using factoring to solve quadratic equations	J7	A6, X9, A8, S4, V9	Quadratic Equations: Solving
Solving quadratic equations by completing thesquare	J7	A6, V9, X9, S4	Quadratic Equations: Solving
Solving quadratic equations by using the quadraticformula	J7	A6, V9, X10, AT2	Quadratic Equations: Solving