

Statistical Reasoning (MTH 155)

Statistics (MTH 245)

Supplemental Resources Guide

This guide is provided to students by the DCC Math Lab. This guide is designed to supplement the instructional materials provided in the MTH 155 and MTH 245 courses offered at DCC. Throughout this document you will find links to external websites and videos. Although we make every effort to ensure these links are accurate, up to date, and relevant, the DCC Math Lab cannot take responsibility for pages maintained by external providers.

If you come across any external links that do not work, we would be grateful if you could report them to the DCC Math Lab by emailing us at mathlab@danville.edu.



Statistical Reasoning (MTH 155) and Statistics (MTH 245)

Topic	Resources	Description
Statistics	https://youtu.be/LMSyiAJm99g	Video - Intro to Statistics & Examples using Dot Plots
	https://youtu.be/VmlVhio2jHM	Video - Basic Vocabulary for Statistics
	https://youtu.be/B1HEzNTGeZ4	Video - Introductory Mean, Median, Mode
	also see https://youtu.be/mk8tOD0t8M0	Video - Introductory Mean, Median, Mode, Range, and Standard Deviation
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Probability	https://youtu.be/KzfwUEJjG18	Video - Introductory Probability
	https://youtu.be/AY3O_qsSnbE	Video - Simple Probabilities
	https://youtu.be/xLK0MWRwFYc	Video - Compound Probabilities
	https://youtu.be/OyddY7DIV58	Video - Probability Part 1: Rules and Patterns
	https://youtu.be/oZCskBpHWyk	Video - Probability Part 2: Bayes' Theorem
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Distributions	https://youtu.be/b9a27XN_6tg	Video - Basics: Types of Distributions
	https://youtu.be/mtbJbDwqWLE	Video - Normal Distribution
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Diagrams, Plots, Graphs, etc.	https://youtu.be/IYxyTX1IK5U	Video - Tree Diagram
	also see https://youtu.be/1Ch0wb4MAS8	Video - Tree Diagram
	https://youtu.be/o7qWbIT5NZI	Video - Box and Whisker Plot
	https://youtu.be/kgs6PqEEygl	Video - Scatter Plot
	also see https://youtu.be/l2BOZDosulk	Video - Line of Best Fit
	also see https://youtu.be/LPFrV-QhQE4	Video - Finding Equation of Line of Best Fit
	https://youtu.be/9BkbYeTC6Mo	Video - Introduction to Different Types of Graphs
Probability and Statistics	https://images.app.goo.gl/3xRVbYjAVQAeT9AB8	Chart showing differences between Probability and Statistics