

Statistics CP Curriculum Map

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- 1.1 What is Statistics?
- 1.2 Random Samples
- 1.3 Intro to Experimental Design

PS.SPCR.1;
SP.SPMJ.6

- 2.1 Bar Graphs, Circle Graphs, Time Plots
- 2.2 Frequency Distributions and Histograms
Stem and Leaf Displays

PS.SPID.1; 2; 3
6.DS.4;
7.DSP.3;

- 3.1 Measures of Central Tendency
- 3.2 Measures of Variation
- 3.3 Percentiles and Box and Whisker Plots

6.DS.2; 3;
7.DSP.3; 4

- 4.1 Intro to Paired Data and Scatter Diagrams
- 4.2 Linear Regression
- 4.3 Linear Correlation Coefficient

PS.SPID.6; 7; 8; 9; 10;

- 5.1 What is Probability?
- 5.2 Probability Rules- Compound Events
- 5.3 Trees and Counting Techniques

PS.SPCR.2; 3; 4; 5; 6; 7;
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PS.SPMJ.2
PS.SPID.5

- 6.1 Random Variables and Probability Distributions

PS.SPMD.1; 2; 3; 4; 5; 6;

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6.2	Binomial Probabilities	
6.3	Additional Properties of the Binomial Distribution	
		PS.SPID.4; PS.SPMD.1; 3; 6
7.1	Graphs of Normal Probability Distributions	
7.2	Standard Units and Areas Under the Standard Normal Distribution	
7.3	Areas Under the Normal Curve	
7.4	Normal Approximation to the Binomial Distribution	
		PS.SPMJ.3; 5; 6;
		PS.SPMJ.1;
8.1	Sampling Distributions	
8.2	The Central Limit Theorem	
10		PS.SPMJ.4;
9.1	Estimating " μ " with large samples	
9.2	Estimating " μ " with small samples	
9.3	Estimation " p " in the Binomial Distribution	
9.4	Choosing the Sample Size	
11		PS.SPMJ.1; PS.SPMD.3
10.1	Introduction to Hypothesis Testing	
10.2	Test Involving the Mean " μ " (Large Samples)	
10.3	The P Value in Hypothesis Testing	
10.4	Test Involving the Mean " μ " (Small Samples)	
10.5	Tests Involving a Proportion	