

Quarter 1		Quar	ter 2
Week 1 Aug 11 - 15	<u>Week 6 Sept 15 - 19</u>	Week 10 Oct 13 - 17	Week 15 Nov 17 - 21
Week 2 Aug 18 - 22	Week 7 Sept 22 - 26	Week 11 Oct 20 - 24	Week 16 Nov 24 - 28
Week 3 Aug 25 - 29	Week 8 Sept 29 - Oct 3	Week 12 Oct 27 - Oct 31	<u>Week 17 Dec 1 - 5</u>
Week 4 Sept 1 - 5	<u>Week 9 Oct 6 -10</u>	Week 13 Nov 3 - 7	Week 18 Dec 8 - 12
Week 5 Sept 8 - 12		Week 14 Nov 10 - 14	<u>Dec 15 - 19</u>

Week: Aug 11 - 15

Unit(s): Nature of Statistics

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	Intros, syllabus, and activity	Warm-Up 1.1 Classification of Variables and Data 1.2 Measurement scales	Warm-Up 1.3 The basic sampling techniques	Warm-up 1.4 Observational and experimental studies Uses and misuses of statistics	Chapter 1 Quiz review Quiz
Work to Submit	None	Individual practice on 1.1 And 1.2	Individual practic 1.3	Quiz review	Quiz review and quiz
Learning Target	Students will understand the syllabus for Statistical Modeling CP	Students will be able to classify given variables, data, and measurements	Students will be able to identify techniques given different methods of sampling	Students will be able to determine differences and apply labels when given different types of studies.	Students will be able to apply knowledge of unit 1 on a quiz.

Standards for the Week SM.DPSR.4.1 Describe quantitative and categorical data.

Warm-Up / Lesson 2.1:Frequency Distribution Warm-up 2.2 histograms and Bar Graphs Warm-up 2.3 Distribution shapes Lesson 2.1:Frequency Distribution Warm-up 2.4 Constructing Stem and Leaf Plots Constructing pie charts Chapter 2 quiz review 2.1 practice 2.2 Practice Students will be able to create frequency distributions given sets of data Students will be able to create histograms and bar graphs given real world examples Warm-up 2.4 Constructing Stem and Leaf Plots Constructing pie charts Chapter 2 quiz review Students will be able to create pie charts and stem/leaf plots given sets of data Students will be able to create pie charts and stem/leaf plots given sets of data Students will be able to create pie charts and stem/leaf plots given sets of data		Monday	Tuesday	Wednesday	Thursday	Friday
to Submit	Agenda	Lesson 2.1:Frequency	2.2 histograms and Bar	*	2.4 Constructing Stem and Leaf Plots Constructing pie charts	
Students will be able to create frequency distributions given sets of data Students will be able to create histograms and bar graphs given real world examples Students will be able to create pie charts and stem/leaf plots given sets of data Students will be able to create pie charts and stem/leaf plots given sets of data Students will be able to create pie charts and stem/leaf plots given sets of data Students will be able to create pie charts and stem/leaf plots given a quiz	Work to Submit	2.1 practice	2.2 Practice	2.3 Practice	2.4 practice	Chapter 2 quiz
	Learning Target	frequency distributions given	histograms and bar graphs	identify shapes of distributions	pie charts and stem/leaf plots	understanding of chapter

Week: Aug 25 - 29	Unit(s):
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Monday	Tuesday	Wednesday	Thursday	Friday
Chapter 1-2 test review	Chapter 1-2 test review Chapter 1-2 Test	3.1 Summarize data with medians: Boxplots	3.2 Summarize data with means and modes	Chapter 3 part 1 quiz review and quiz
Chapter 1-2 Test review	Chapter 1-2 test	3.1 practice	3.2 practice	Chapter 3 part 1 quiz review and quiz
Students will demonstrate an understanding of chapter 1-2given a test review	Students will demonstrate an understanding of chapter 1-2 given a test	Students will be able to create box plots given sets of data	Students will be able to calculate mean and mode given sets of data	Students will be able to apply knowledge of boxplots, means, medians given a quiz

SM.DPSR.4.6 Use simulated sampling distributions to describe the sample-to-sample variability of sample statistics

Standards Learning for the Week Target

Agenda

Work to Submit

Unit(s):Normal Distributions/ Week: Sept 1 - 5

	Monday School Holiday	Tuesday	Wednesday	Thursday	Friday
Agenda		3.3 Standard deviation	3.4 Calculate and read z-score	3.5 empirical rule	3.3-3.5 quiz review and quiz
Work to Submit		3.3 practice classwork	3.4 practice classwork	3.5 practice classwork	3.3-3.5 quiz review
Learning Target		Students will be able to calculate standard deviation given a set of data	Students will be able to calculate z score given mean, standard deviation and value	Students will be able to apply the empirical rule and calculate percentages between, below and above z scores	Students will be able to apply their knowledge of chapter 3.3-3.5 given a quiz.

Standards for the Week

SM.DPSR.1.2 Approximate percentages using the Empirical Rule and z-scores for normally distributed data SM.DPSR.1.1 Calculate and interpret z-scores as a measure of relative standing to standardize units.

Week: Sept 8 - 12

Unit(s):Normal Distributions/ Probability

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	3.3-3.5 Quiz 3.6- central limit theorem	Chapter 3 Test review	Chapter 3 Test	Notes on cards	4.1 classic probability
Work to Submit	3.3-3.5 quiz 3.6 classwork	Chapter 3 Test Review	Chapter 3 Test	Cards practice	4.1 classwork
Learning Target	Students will be able to apply the central limit theorem given real world data	Students will be able to apply the central limit theorem given real world data	Students will be able to apply the central limit theorem given real world data	Students will be able to demonstrate a basic understanding of sample space given a standard deck of cards	Students will be able to calculate simple probability given real life examples

Standards for the Week SM.DPSR.1.2 Approximate percentages using the Empirical Rule and z-scores for normally distributed data SM.DPSR.1.1 Calculate and interpret z-scores as a measure of relative standing to standardize units.

 Week: Sept 15 - 19
 Unit(s):

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	4.1 classic probability	4-2: The Addition Rules for Probability	4-3: Multiplication Rules and Conditional Probability	4-3: Multiplication Rules and Conditional Probability	4.1-4.3 quiz
Work to Submit	4.1 classwork	4.2 practice	4-3 practice	4-3 practice, 4.1-4.3 quiz review	4.1-4.3 quiz
Learning Target	Students will be able to calculate simple probability given real life examples	Students will be able to determine whether events (A) and (B) are independent by comparing the calculated joint probability with the product of their individual probabilities	Students will demonstrate the use of conditional probability to assess independence of events in real-world scenarios.	Students will demonstrate the use of conditional probability to assess independence of events in real-world scenarios.	Students will demonstrate the use of conditional probability to assess independence of events in real-world scenarios.

Week: Sept 22 - 26 Unit(s):

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	4-4 permutations, combinations part 1	4-4 permutations, combinations part 2	5-1 and 5-2 part 1	5-2 part 2 Quiz review	4-4 to 5-2 quiz
Work to Submit	4-4 classwork	4-4 part 2 classwork	5-1 and 5-2 classwork	Quiz review	Quiz
Learning Target	 Students will be able to define conditional probability and provide 	 Students will be able to define conditional probability and provide 	 Students will be able to interpret the results of probability calculations in 	 Students will be able to interpret the results of probability calculations in 	 Students will be able to interpret the results of probability calculations in

real-world examples (e.g., the probability of rain given that it is	real-world examples (e.g., the probability of rain given that it is	the context of a given problem or mode	the context of a given problem or mode	the context of a given problem or mode • Students will be able to define conditional probability and provide real-world examples (e.g., the probability of rain given that it is
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SM.DPSR.1.3 Using simulations taken from a given population, model sample-to-sample variability in sampling distributions of a statistic.

Week: Sept 29 - Oct 3

Unit(s):

Monday

Tuesday

Wednesday

Thursday

Friday

Agenda	Binomial distribution	Test Review	Test	Probability project	Probability Project
Work to Submit	Binomial Distribution practice	Test review	Test	Probability Project	Probability Project
Learning Target	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world examples (e.g., the probability of rain given that it is 	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world examples (e.g., the probability of rain given that it is 	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world examples (e.g., the probability of rain given that it is 	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world examples (e.g., the probability of rain given that it is 	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world examples (e.g., the probability of rain given that it is

SM.DPSR.1.3 Using simulations taken from a given population, model sample-to-sample variability in sampling distributions of a statistic.

Week: Oct 6 -10	Unit(s):Probability
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	Monday	Tuesday	Wednesday	Thursday	Friday End of Q1 Grading Period
Agenda	Probability project				
Work to Submit	Probability project				
Learning Target	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world 	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world 	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world 	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world 	 Students will be able to interpret the results of probability calculations in the context of a given problem or mode Students will be able to define conditional probability and provide real-world

examples (e.g., the probability of rain given that it is			examples (e.g., the probability of rain given that it is	examples (e.g., the probability of rain given that it is
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Work to Submit

SM.DPSR.1.3 Using simulations taken from a given population, model sample-to-sample variability in sampling distributions of a statistic.

Week; Oct 13 - 17	Unit(s):Regression
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	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda	No School	10-1 scatter plots and correlation	10-2 regression	Regression quiz review	Regression Quiz
work to Submit	No School	10-1 practice	10-2 practice	Regression quiz review	Regression Quiz

Learning Target	No School	Students will be able to create a scatter plot and determine correlation given real world data	Students will be able to calculate regression given real world data	Students will be able to calculate regression given real world data	Students will be able to calculate regression given real world data
Standards for the Week					

Week: Oct 20 - 24

Unit(s):Regression

	Monday Q1 Report Card	Tuesday	Wednesday	Thursday	Friday
Agenda	10-3 Testing significance				
to Submit					

Agenda

Work to Submit

Learning Target	Students will be able to test if a correlation coefficient is significant.		
Standards for the Week			

Week: Oct 27 - Oct 31	Unit(s):
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Monday	Tuesday	Wednesday	Thursday	Friday

Agenda

Work to Submit			
Learning Target			
Standards for the Week			

Week: Nov 3 - 7		Unit(s):	Unit(s):		
Monday	Tuocday	Wodposday	Thursday	Friday	
Monday	Tuesday	Wednesday	Thursday	Friday	

Agenda			
Work to Submit			
Learning Target			
Standards for the Week			

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	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda					
Work to Submit					
Learning Target					
Standards for the Week					

Week: Nov 17 - 21	Unit(s):
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	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda					
Work to Submit					
Learning Target					
Standards for the Week					

Week: Nov 24 - 28	Unit(s):
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	Monday	Tuesday	Wednesday School Holiday	Thursday School Holiday	Friday School Holiday
Agenda					
Work to Submit					
Learning Target					
Standards for the Week					

Week: Dec 1 - 5	Unit(s):
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	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda					
Work to Submit					
Learning Target					
Standards for the Week					

	Monday	Tuesday	Wednesday	Thursday	Friday
Agenda					
Work to Submit					
Learning Target					
Standards for the Week					

	Monday	Tuesday	Wednesday	Thursday	Friday End of Q2 Grading Period Half Day for Students
Agenda					
Work to Submit					
Learning Target					
Standards for the Week					