

Learning Outcome Assessment Matrix

Overarching Goal	Desired Learning Outcome	Teaching Methods	Assessments
(broad, generalized statements about what is to be learned)	(narrow, specific statements about concrete, measurable skills or content to be gained in the course)	(teaching strategies aimed at building desired knowledge or skills)	(tools and strategies that analyze student performance and products as evidence of teaching effectiveness)
<ul style="list-style-type: none"> Introduction to basic statistical concepts 	<ul style="list-style-type: none"> Ability to calculate mean, median, and mode 	<ul style="list-style-type: none"> Read Chapter 1 Lecture (calculate examples from outside of the book on a tablet device) Clicker activity 	<ul style="list-style-type: none"> Solve 10 Homework problems from the text book
<ul style="list-style-type: none"> Introduction to basic statistical skills 	<ul style="list-style-type: none"> Ability to plot line charts, bar charts, and scatter plots 	<ul style="list-style-type: none"> Read Chapter 2 Lecture with power point slides Student activity 	<ul style="list-style-type: none"> Complete worksheet plotting various charts Weekly online quiz
<ul style="list-style-type: none"> Introduction to basic statistical reasoning 	<ul style="list-style-type: none"> Ability to assess statistical charts 	<ul style="list-style-type: none"> Lecture with power point slides Student pairing activity discussing merits of various charts 	<ul style="list-style-type: none"> Write a 500 word essay on two opposing reports regarding student volunteerism Midterm Exam