

Presentation Guidelines:

Your presentation should be given with PowerPoint slides containing appropriate graphs and text with correct mathematical symbols. The presentation should last a maximum of 10 minutes.

Linear Regression Presentation Scoring Guide					
Category	Below Standard	Collegiate Quality	Outstanding	Total	
	0 – 5 Pts	6 – 8 Pts	9 – 10 Pts	Possible	Earned
Overview of Research	Did not state research question AND did not explain real world context of results	Stated research question but did not explain real world context	Explained research question and real world context of results well and with relevance	10	
Variables	Did not name or define variables	Named variables or defined variables but did not do both clearly	Both named and defined variables clearly	10	
Population, Data Collection & Sampling	Did not address data collection process, target population, or sampling issues	Explained target population and data collection process but did not address issues of representative sampling or bias; lacked clarity or thoroughness	Clearly and thoroughly explained target population and data collection process, including steps taken to avoid bias and ensure representative sample	10	
Scatter Plot	Did not show a scatter plot, or scatter plot was incorrect	Showed scatter plot OR discussed correlation coefficient r but not both	Showed scatter plot and explained correlation coefficient r as part of discussion	10	
Correlation	Did not include a satisfactory discussion of correlation coefficient r	Gave correct value of correlation coefficient r and interpreted correctly OR discussed significance, but not both	Gave correct value of correlation coefficient r , interpreted correctly AND discussed statistical significance	10	
Regression Line	Did not show regression line with prediction equation	Showed regression line on graph and gave equation of line	Showed regression line on graph with prediction equation and demonstrated an example prediction using the equation	10	
Slope	Did not address slope of regression equation	Pointed out the value of the slope in the regression equation	Correctly explained the meaning of the slope in the regression equation	10	
R^2	Did not address R^2	Pointed out the value of R^2 for the regression model	Correctly explained the meaning of R^2 for the regression model	10	
Clarity, Poise, Timeliness	Presenter was not familiar with slides or material; poorly rehearsed	Familiar with material but spoke hesitantly, lacked poise, or exceeded allotted time	Presentation was polished and professional and speaker was completely familiar with slides and material; well rehearsed and completed within allotted time	10	
Technical	PowerPoint slides were not available or contained multiple writing errors, distracting animations or sounds, or unreadable text (e.g., bad color schemes, fonts too small, crowded or confusing layout)	PowerPoint slides contained readable text in well-organized layout with minimal writing errors	Polished and professional looking slides: appropriate supporting charts and/or graphics, well-written text with appropriate mathematical symbols, easy to read, good layout and colors.	10	