

Chapter 3 Task Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> • Create a scatter plot. • Create regression models. 	Demonstrates limited understanding of scatter plots and regression models.	Demonstrates some understanding of scatter plots and regression models.	Demonstrates considerable understanding of scatter plots and regression models.	Demonstrates thorough understanding of scatter plots and regression models.
Thinking <ul style="list-style-type: none"> • Prepare a plan to solve the problem. • Carry out the plan. 	Needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow.	Needs some assistance to begin organizing a plan and needs some steps to follow.	Needs minimal assistance to organize and implement an effective strategy.	Needs no assistance to organize and implement an effective strategy.
Communication <ul style="list-style-type: none"> • Clear explanations and full justifications. • Correct use of mathematical conventions and language. 	Does not clearly explain or justify solution. Uses mathematical language and conventions correctly in some of the solution.	Explains and justifies solution somewhat. Uses mathematical language and conventions correctly throughout most of the solution.	Explains and justifies solution fully. Uses mathematical language and conventions correctly throughout the solution.	Explains, justifies, and shows insight into the complexities of the solution. Uses mathematical conventions and algebra correctly throughout the solution.
Application <ul style="list-style-type: none"> • Choose appropriate regression models for the data. • Make connections with real-world situation to predict future records. 	Interprets the information ineffectively and has difficulty using modelling to draw conclusions.	Interprets the information somewhat effectively and has some difficulty using modelling to draw conclusions.	Interprets the information with considerable effectiveness and has little difficulty using modelling to draw conclusions.	Interprets the information with a high degree of effectiveness and has no difficulty using modelling to draw conclusions.

