

Chapter 3 Problem Wrap-Up Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> • Create scatter plots and regression models. • Identify outliers. • Identify survey bias. 	Demonstrates limited understanding of scatter plots, regression models, and survey analysis.	Demonstrates some understanding of scatter plots, regression models, and survey analysis.	Demonstrates considerable understanding of scatter plots, regression models, and survey analysis.	Demonstrates thorough understanding of scatter plots, regression models, and survey analysis.
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 language and conventions correctly throughout the solution.
Application <ul style="list-style-type: none"> • Identify appropriate outliers and bias in the data. • Make connections between survey and data to draw conclusions. 	Interprets the information ineffectively and has difficulty analysing data to draw conclusions.	Interprets the information somewhat effectively and has some difficulty analysing data to draw conclusions.	Interprets the information with considerable effectiveness and has little difficulty analysing data to draw conclusions.	Interprets the information with a high degree of effectiveness and has no difficulty analysing data to draw conclusions.

