Name: _____      Date: _____

# Task: Road to the Stanley Cup Rubric

| Category | Level 1 | Level 2 | Level 3 | Level 4 |
|---|---|---|---|---|
| **Knowledge and Understanding**<br>• Performs a simulation for the task.<br>• Graphs the data.<br>• Finds the measures of central tendency. | Demonstrates limited understanding of gathering, organizing, and analyzing data, with major errors. | Demonstrates some understanding of gathering, organizing, and analyzing data with minor errors. | Demonstrates considerable understanding of gathering, organizing, and analyzing data correctly. | Demonstrates thorough understanding of gathering, organizing, and analyzing data correctly and efficiently. |
| **Thinking**<br>• Prepares a plan to solve the problem.<br>• Carries 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**<br>• Clear explanations and full justifications.<br>• Correct use of mathematical language. | Does not clearly explain or justify solution. Uses statistical terminology incorrectly. | Explains and justifies solution somewhat. Sometimes uses statistical terminology correctly. | Explains and justifies solution fully. Uses statistical terminology correctly. | Explains, justifies and shows insight into the complexities of the solution. Uses statistical terminology correctly. |
| **Application**<br>• Analyzes the data.<br>• Applies the information from the simulation to make predictions. | Interprets the information ineffectively and does not apply the data to make predictions. | Interprets the information somewhat effectively and applies the data to make unreasonable predictions. | Interprets the information with considerable effectiveness and applies the data to make reasonable predictions. | Interprets the information with a high degree of effectiveness and applies the data to make highly acceptable predictions. |