Name Period Date

The purpose of this project is for students to use a scatterplot of linear data to create a linear regression equation.

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| Category | Excellent4 | Good3 | Fair2 | Poor1-0 | Score |
| Research | Evidence of research and internet resources is evident. | Evidence of research of some of the material required to complete the project. | Not all research is verifiable.  | Student presents no evidence of research on the topic. |  |
| Math Content | The student has demonstrated their knowledge of linear equations sufficiently.  | Student has chosen to show most of their math data but does not give a clear explanation of their work.  | Student has many mistakes in the work for their regression equation. | No math is shown in calculating the linear equation.  |  |
| Scatterplot | Labels and scales are appropriate and easy to understand. | Student shows reasonable understanding of the affects of the math models.  | Student struggles to give justification for use of these math models.  | Scales are not at all appropriate or absent from the scatterplot. labels are not shown.  |  |
| Desmos regression | Demonstrates understanding of the regression formula from Desmos and compares it to their equation for the line of best fit.  | Student does not make sense of the regression formula and how it compares to the line of best fit.  | Student’s regression formula does not remotely resemble the line of best fit.  | Student fails to use the regression formula from Desmos.  |  |
| Neatness (presentation & organization) | Presentation and organization of information allows for ease in understanding student work.  | Examples are clear, student work is shown but somewhat difficult to follow. | Unorganized thoughts make it difficult to understand. | Work is illegible, examples are unnoticeable, and student work is hard to understand. |  |

Comments:

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