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| **Cornell Notes** | **Topic/Objective:** | | | **Name:** |
| Chapter 2.2: Linear Regression (p. 70 – 72) | | | **Class/Period:** |
|  | | | **Date:** |
| **Essential Question:** How can the past predict the future? | | | | |
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| **Questions:** | | **Notes:** | | |
| What is a line of best fit? | |  | | |
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| What are domain and | | Domain: | | |
| range of data? | | Range: | | |
|  | |  | | |
| What is interpolation? | |  | | |
|  | |  | | |
| What is extrapolation? | |  | | |
|  | |  | | |
| What is a correlation | |  | | |
| coefficient? | |  | | |
|  | |  | | |
| Correlation coefficient | |  | | |
| for no correlation? | |  | | |
|  | |  | | |
| Correlation coefficient | |  | | |
| for strong correlation? | |  | | |
|  | |  | | |
| Correlation coefficient | |  | | |
| for weak correlation? | |  | | |
| **Summary:** | | | | |
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| **Questions:** | | | **Notes:** | |
| How do you find equation | | | (Example 1) | |
| of a linear regression line? | | |  | |
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| What is the interpretation | | | (Example 2) | |
| of slope of a regression line? | | |  | |
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| How do you predict the value | | | (Example 3) | |
| of the response variable | | |  | |
| using a regression equation? | | |  | |
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| How do you find the | | | (Example 4) | |
| correlation coefficient | | |  | |
| for bivariate data? | | |  | |
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| **Summary:** | | | | |
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