

To earn full credit for Journal 3, you must choose 1 of the following options.

Option 1 (only if not completed during Week 2)

Read the “Contaminant found in marijuana vaping products linked to deadly lung illnesses, tests show” article from the Washington Post (links and PDF available on Moodle).

1. Name the response variable and explanatory variable (or variables) in the relationship described in the article.
2. Do you think it’s appropriate to describe this relationship as linear? Why?
3. Michael Felberbaum, FDA spokesman, says “No one substance, including Vitamin E acetate, has been identified in all of the samples tested. Importantly, identifying any compounds that are present in the samples will be one piece of the puzzle but will not necessarily answer questions about causality.” What else could be responsible for this relationship?

Option 2

Watch the “[Paralympic medallist deemed ‘too tall’ for Olympic competition](#)” video, produced by BBC News.

1. World Athletics uses a linear equation to predict prosthetic height from the Maximum Allowable Standing Height (MASH) measurement. In this scenario, which is the explanatory variable and which is the response variable?
2. World Athletics has decided that Blake Lieber’s prosthetic height is too large. Would the residual calculated from his prosthetic height be positive or negative?
3. One of the scientists considers a different relationship: that of height and maximum speed. Do you think she would describe the relationship as weak or strong?
4. How does the rest of this video relate with the ideas we learned about in Week 1?

Option 3

Find a news article that relates to a topic we discussed in class and write a brief paragraph on why you think it relates to this week’s material. For this week only, it is a good idea if the article includes a scatterplot.