Week 4 Reading Guide: Basic Regression

# [Modern Dive Chapter 5](https://moderndive.com/5-regression.html)

In Statistics we like to call our variable the “response” variable. What are some other names can be called?

In Statistics we like to call our variable the “explanatory” variable. What are some other names can be called?

What is the difference between “explanatory modeling” and “predictive modeling”?

In “basic” / simple linear regression, how many explanatory variables are included in the model?

In linear regression, what type of variable must our response **always** be?

## 5.1 – One Numerical Explanatory Variable

What is the response variable for the evaluation study? What is the explanatory variable?

What is “EDA”? Why should you do EDA *before* you analyze your data?

In the evals\_ch5 dataset, can an instructor appear more than once?

What statistics does the skim() function output?

What does a *correlation coefficient* measure? Specifically, what type of relationship?

For correlation coefficients:

* values near -1 indicate:
* values near +1 indicate:
* values near 0 indicate:

## 5.2 – One Categorical Explanatory Variable

## 5.3 – Related Topics

## 5.4 – Conclusion