**Week 3, Day 2**

* Activity: Vitruvius I
* Building Models (prepping for Ch. 3)
  + Part A (linear) 🡪 in groups of 3  
    Discuss:
    - Guesses
    - Answers
    - Concept of interaction
  + Part B (curved)   
    Discuss:
    - Guesses
    - Answers
    - Which terms are needed?
    - How much harder was this than Part A?
  + Takeaways:
    - Importance of plotting your data!
    - No interaction between predictors is a special case of allowing for interaction.
    - When does a variable actually matter?
    - How much harder do you think it’s going to be when the other term is numerical?
    - Writing down an equation at all to connect Mean(Y) to the predictors is a big assumption.

**For Tuesday**:

* Finish & submit Vitruvius I (one per pair – include both names!)
* Read Section 3.1-3.3