# Making a Case

HN

Washington State University

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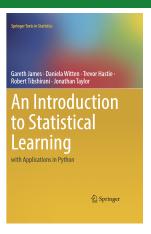


### General

- Anything worth making needs patience and practice
- If you want mastery, you need to immerse yourself in it till it becomes your second nature, just like walking

- Top(?) two take aways from graduate school
  - Try not to have a bias/prejudice. be playful Q
  - 2 When you are wrong, you are wrong △

### Source of This Notes



Notes from

An Introduction to Statistical

Learning with Applications in Python

- It's an easy read and as the name suggests, it's just Introduction. Good for intuition building
- Its PDF is available for free from the Authors' website.
- Sign-up & receive coupons (30%-50% off)

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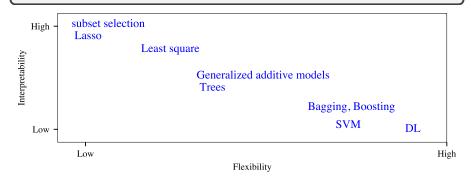
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- "... and an  $R^2$  value well below 0.1 might be more realistic!" (page 79)

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### More Resources

- Guesstimation: (Weinstein and Adam, 2008)
- First Course in Probability (Ross et al., 1976)
- Introduction to Linear Regression Analysis (Montgomery, Peck, and Vining, 2021)

#### Non-technical

- Excellent Sheep: The Miseducation of the American Elite and the Way to a Meaningful Life (Deresiewicz, 2014)
- The Culture Code: The Secrets of Highly Successful Groups (Coyle, 2018)

#### **Tools**

■ Software Carpentry has lots of tutorials including GitHub!

### Some Definition I

### Definition (Variance of a method)

Variance refers to the amount by which  $\hat{f}$  would change if we estimated it using a different training data set.

# Bibliography I

- Coyle, D. (2018). The Culture Code: The Secrets of Highly Successful Groups. Bantam Books, an imprint of Random House, a division of Penguin Random House LLC New York.
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