Lesson Plan 4/17

Admin
- HW5 today
- Midterm next Tuesday 4/24
- Project 3 part 2 out tonight or tomorrow
- Midterm review and prep session on Thursday 4/26

HDSC
- The Julia programming language: https://julialang.org/

Gradient descent for linear regression

Tree-based methods

Model evaluation and selection

$$0/1$$

$$+1/-1$$

$$Y = \text{life expectancy}$$

$$G_i = \text{sex} \quad (M \text{ or } F) \Longrightarrow$$

$$Y = \beta_0 + \beta_1 X$$

$$X_i = \begin{cases} 1 & \text{if } G_i = \text{male} \\ 0 & \text{if} \end{cases}$$

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