

BUSN 5000 :: Part II

Schedule

Chris Cornwell

Spring 2023
(updated 11 Dec 22)

Class Room: Amos B010

Class Hours: TR, 935a and 1110a

Weeks 1-2 :: Regression fundamentals

Readings: Bueno de Mesquita and Fowler, chs 4-5, 10; Angrist & Pischke, ch 2

IRL: [“The Data Coach”](#), Against the Rules, Season 2 Episode 5.

Assignment due: **Mar 27**

Week 3 :: Potential outcomes and causal inference

Readings: Bueno de Mesquita and Fowler, chs 9, 11; Angrist & Pischke, ch 1

IRL: [“Edward Miguel on Collecting Economic Data by Canoe and Correlating Conflict with Rain-fall”](#), People I Mostly Admire, Episode 50.

Assignment due: **Apr 3**

Week 4 :: Regression discontinuity

Readings: Bueno de Mesquita and Fowler, ch 12; Angrist & Pischke, ch 4

IRL: [“Does Advertising Actually Work? Part I”](#), Freakonomics Radio, Episode 440.

Assignment due: **Apr 10**

Week 5 :: Difference in differences

Readings: Bueno de Mesquita and Fowler, ch 13; Angrist & Pischke, ch 5

IRL: [“Does Advertising Actually Work? Part II”](#), Freakonomics Radio, Episode 441.

Assignment due: **Apr 17**

Weeks 6-7 :: Introduction to machine learning

Readings: [“Machine Learning: An Applied Econometric Approach”](#), *Journal of Economic Perspectives*, Spring 2017. *Introduction to Statistical Learning with Applications in R*, 2e, Springer, ch 6.

IRL: [“Prediction Machines: The Simple Economics of AI”](#), Talks at Google, 25 May 2018.

Assignment due: **Apr 28**