BUSN 5000 :: Part II
Schedule

Chris Cornwell

Fall 2022
(updated 05 Aug 22)

Class Room: Benson C115   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: Oct 24

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 Rainfall", People I Mostly Admire, Episode 50.

Assignment due: Oct 31

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: Nov 7

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: Nov 14

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: Dec 2