

Dette dokument indeholder et overslag over sideantallet på fagets foreløbige pensumliste. Det samlede estimerede sidetantal er 1097.

Derudover indeholder pensum en række videoer samt en tekstbog, som jeg ikke har kunnet finde sidetal på.

Titel på tekst	Sideantal
Total for estimerede sider:	<u>1097</u>
Text books	
Grolemund, Garrett and Hadley Wickham. 2016. R for Data Science.	250
Imai, Kosuke. 2016. A First Course in Quantitative Social Science.	Har ikke fundet sidetal
Data Visualization	
Schwabish, Jonathan A. 2014. "An Economist's Guide to Visualizing Data". Journal of Economic Perspectives, 28(1): 209-34.	26
Healy, Kieran and James Moody. 2014. "Data Visualization in Sociology". Annual Review of Sociology, 40:105–128.	23
Edward R. Tufte. 1983. The Visual Display of Quantitative Information. Graphics Press.	200
Cox, Amanda. "Data Visualizations at the New York Times".	Video
Grolemund, Garrett and Hadley Wickham. 2016. "R for Data Science". Chapters 3 and 21.	Text book
Kahle, David and Hadley Wickham. 2013."ggmap: Spatial Visualization with ggplot2", The R Journal, 5(1).	18
Data Manipulation	
Wickham, Hadley. 2011. "The Split-Apply-Combine Strategy for Data Analysis". Journal of Statistical Software 40(1).	29
Wickham, Hadley. 2014. "Tidy Data". Journal of Statistical Software 59(10). The R Journal. 2(2): 38-40.	2
Wickham, Hadley. 2016. "Making Data Analysis Easier". Workshop presentation organised by the Monash Business Analytics Team.	Video
Grolemund, Garrett and Hadley Wickham. 2016. "R for Data Science". Chapters 4, 9, 14 and 18.	Text book
Gentzkow, Matthew and Jesse M. Shapiro. 2014. "Code and Data for the Social Sciences: A Practitioner's Guide". University of Chicago mimeo.	45
Data Import & Web Scraping	
Edelman, Benjamin. 2012. "Using internet data for economic research." The Journal of Economic Perspectives, 26.2: 189-206.	17
Grolemund, Garrett and Hadley Wickham. 2016. "R for Data Science". Chapter 8.	Text book
Shiab, Nael. 2015. "Web Scraping: A Journalist's Guide". Global Investigative Journalism Network.	3

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Shiab, Nael. 2015. "On the Ethics of Web Scraping and Data Journalism". Global Investigative Journalism Network.	5
Wickham, Hadley. 2014. "rvest: easy web scraping with R". RStudio Blog.	3
Peng, Roger. 2012. "Reading/Writing Data in R". Coursera course: Getting and Cleaning Data.	Video
Version Control and Reproducible Research	
Jones, Zachery. 2015. "Git & Github tutorial".	13
Rainey, Carlisle. 2015. "Git for Political Science".	1
Wickham, Hadley. 2015. "Git and GitHub".	23
Bryan, Jennifer. 2016. "Happy Git and GitHub for the user"	Video
Big Data	
Einav, Liran, and Jonathan Levin. 2014. "Economics in the age of big data." Science, 346.6210: 1243089.	8
Einav, Liran, and Jonathan D. Levin. "The data revolution and economic analysis". National Bureau of Economic Research, No. w19035.	24
Grimmer, Justin. 2015. "We are all social scientists now: how big data, machine learning, and causal inference work together." PS: Political Science & Politics, 48.01: 80-83.	4
Deutsche Bank Markets Research. 2016. "Big Data in Investment Management".	47
Toole, Jameson L., et al. 2015. "Tracking employment shocks using mobile phone data." Journal of The Royal Society Interface, 12.107: 20150185.	36
GayoAvello, Daniel. 2013. "A metaanalysis of state-of-the-art electoral prediction from Twitter data." Social Science Computer Review, 0894439313493979.	19
Bond, Robert M., et al. 2012. "A 61-million-person experiment in social influence and political mobilization." Nature, 489.7415: 295298.	9
Yougov UK. 2015. "Memories of Iraq: did we ever support the war?".	3
Pew Research Centre. 2015. "From Telephone to the Web: The Challenge of Mode of Interview Effects in Public Opinion Polls".	25
Blackwell, Matthew, and Maya Sen. 2012. "Large Datasets and You: A Field Guide", The Political Methodologist 20(1): 2-5.	4
Mann, Adam. 2016. "Core Concepts: Computational social science." Proceedings of the National Academy of Sciences, 113.3: 468-470.	3
Causal Inference vs. Statistical Learning	
Varian. Hal. 2014. "Big Data: New Tricks for Econometrics. Journal of Economic Perspectives, 28.2: 3-27.	24

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Angrist, Joshua D., and JörnSteffen Pischke. 2014. "Mastering'metrics: The path from cause to effect". Princeton University Press. (pages: XIXV, 1-14)	14
Friedman, Jerome, Trevor Hastie, and Robert Tibshirani. 2001. "The elements of statistical learning". Vol. 1. Springer, Berlin: Springer series in statistics. (pages: 15-42, 175-184,214-227)	49
Kleinberg, Jon, et al. "Prediction policy problems." American Economic Review, 105.5 (2015): 491-495.	5
Breiman, Leo. 2001. "Statistical modeling: The two cultures (with comments and a rejoinder by the author)." Statistical Science, 16.3: 199-231.	32
Text as Data	
Grimmer, Justin, and Brandon M. Stewart. 2013. "Text as data: The promise and pitfalls of automatic content analysis methods for political texts." Political Analysis, 21.3:267-297	30
Grolemund, Garrett and Hadley Wickham. 2016. "R for Data Science". Chapter 11.	Text book
Privacy & Ethics	
Heffetz, Ori, and Katrina Ligett. 2014. "Privacy and Data-Based Research." The Journal of Economic Perspectives, 28.2: 75-98.	23
Acquisti, Alessandro, Curtis Taylor and Liad Wagman. 2015. "The economics of privacy".	58
Neuhaus, Fabian, and Timothy Webmoor. 2012. "Agile ethics for massified research and visualization." Information, Communication & Society, 15.1: 43-65.	22
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