SSC7001M - Advanced Research Methods 1
(2021-22)

This list has been compiled by Dr Chris Moreh.

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70 items

What They Forgot to Teach You About R
[Book] | Further Reading

Causality : models, reasoning, and inference - Pearl, Judea, 2000
[Book] | Further Reading

Sex Bias in Graduate Admissions: Data from Berkeley - P.J. Bickel, E. A. Hammel, W. O'Connell, 1975
[Article] | Further Reading

Using R for data analysis in social sciences : a research project-oriented approach - Li, Quan, 2019
[Book] | Further Reading

Clear, rigorous and relevant: publishing quantitative research articles in - Andy Charlwood, Chris Forde, Irena Grugulis, Kate Hardy, Ian Kirkpatrick, Robert MacKenzie, Mark Stuart, 2014-04
[Article] | Further Reading

Library Accessibility Support Service for disabled students (3 items)
If you have a disability and an item on this module reading list isn't accessible to you in its current format (and you're registered with the Library's Accessibility Support Service), you can find accessible formats of books on RNIB Bookshare, or if they are not available through there, request accessible scans of items using the Document Scanning Request form.

Accessibility Support Service
[Webpage] | Further Reading

RNIB Bookshare - accessible books for disabled learners
[Webpage] | Further Reading

Document Scanning Request form
[Webpage] | Further Reading

Week 1. Introduction (10 items)

Regression and other stories - Andrew Gelman, Jennifer Hill, Aki Vehtari, 2020
[Book] | **Set Text** | ROS Ch. 1 (This title is available in print only!)

Why quantitative sociology is the future (and the present)

The Methodological Divide of Sociology: Evidence from Two Decades of Journal Publications - Carsten Schwemmer, Oliver Wieczorek, 2020-02
[Article] | Essential Reading

Computation and the Sociological Imagination - James Evans, Jacob G. Foster, 2019-11
[Article] | Essential Reading

Why replication is the future (in practice and teaching)

Replication for Quantitative Research - Jeremy Freese, David Peterson
[Chapter] | Further Reading

Replication Standards for Quantitative Social Science - Jeremy Freese, 2007-11
[Article] | Further Reading

R coding practice

R for Social Scientists
[Webpage] | Essential Reading | R4SS Modules 1 & 2

R for Data Science
[Book] | Essential Reading | R4DS Ch. 1, 2, 3, 4, 6, 8, 27, 29 & 30

Week 2. Measurement (10 items)

Regression and other stories - Andrew Gelman, Jennifer Hill, Aki Vehtari, 2020
[Book] | Set Text | ROS Ch. 2;
ROS Ch. 4.4-4.8;   Further reading:
ROS Ch. 3 & 4.1-4.3 & 5

Maximum Likelihood for Social Science - Michael D. Ward, John S. Ahlquist, 2018-11-30
[Book] | Further Reading | MLSS Ch. 1

An introduction to categorical data analysis - Alan Agresti, 2019
[Book] | Further Reading | ICDA Ch. 1

'Social trust' and its measurement

What Have We Learned About Generalized Trust, If Anything? - Peter Nannestad, 2008-06
[Article] | Essential Reading

Measuring social trust and trusting the measure - Florian Justwan, Ryan Bakker, Jeffrey D. Berejikian, 2018-06-01
[Article] | Essential Reading

Trust in the aftermath of genocide: Insights from Rwandan life histories - Bert Ingelaere, Marijke Verpoorten, 2020-07
[Article] | Further Reading

R coding practice

R for Social Scientists
[Webpage] | **Essential Reading** | R4SS Modules 3, 4, 5 & 6

R for Data Science
[Book] | **Essential Reading** | R4DS Ch. 5, 7, 9, 10, 11, 14 & 15

Week 3. Linear regression with one predictor (5 items)

Regression and other stories - Andrew Gelman, Jennifer Hill, Aki Vehtari, 2020
[Book] | **Set Text** | ROS Ch. 7;
Further reading:
ROS Ch. 6 & 8

Application and replication readings

Can We Trust Education for Fostering Trust? Quasi-experimental Evidence on the Effect of Education and Tracking on Social Trust - Marcus Österman, 2021-02
[Article] | **Essential Reading**

R coding practice

R for Data Science
[Book] | **Essential Reading** | R4DS Ch. 22 & 23.1-23.2

Week 4. Linear regression with multiple predictors (2 items)

Regression and other stories - Andrew Gelman, Jennifer Hill, Aki Vehtari, 2020
[Book] | **Set Text** | ROS Ch. 10.1 - 10.2 & 10.4 & 10.7;
Further readings: ROS Ch. 11.1 - 11.4 & 11.6

R for Data Science
[Book] | **Essential Reading** | Ch. 24

Week 5. Linear regression with interaction terms (8 items)

Regression and other stories - Andrew Gelman, Jennifer Hill, Aki Vehtari, 2020
[Book] | **Set Text** | ROS Ch. 10.3 & 12.2

Maximum Likelihood for Social Science - Michael D. Ward, John S. Ahlquist, 2018-11-30
[Book] | **Further Reading** | MLSS Ch. 6

Application and replication readings

Who Do You Trust? The Consequences of Partisanship and Trust for Public Responsiveness to COVID-19 Orders - Daniel A. N. Goldstein, Johannes Wiedemann, 2021-04-16
[Article] | **Essential Reading**

Comprehensive, User-Friendly Toolkit for Probing Interactions [R package interactions version 1.1.5] - Jacob A. Long

Webpage | Essential Reading

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R coding practice

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R for Data Science
Book | Essential Reading | R4DS Ch. 23.4 & 23.5

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Comprehensive, User-Friendly Toolkit for Probing Interactions [R package interactions version 1.1.5] - Jacob A. Long
Webpage | Essential Reading

Week 6. Prediction and causality (8 items)

Counterfactuals and Causal Inference - Stephen L. Morgan, Christopher Winship, 2014
Book | Set Text | Ch. 1 & 2

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Regression and other stories - Andrew Gelman, Jennifer Hill, Aki Vehtari, 2020
Book | Further Reading | ROS Ch. 19 & 20

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Application and replication readings

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Negative Experiences and Trust: A Causal Analysis of the Effects of Victimization on Generalized Trust - Paul C. Bauer, 2015-08
Article | Essential Reading

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R coding practice

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R for Data Science
Book | Essential Reading | Ch. 23.3

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Marginal Effects for Model Objects [R package margins version 0.3.26] - Thomas J. Leeper
Webpage | Essential Reading

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Tidy, Type-Safe 'prediction()' Methods [R package prediction version 0.3.14] - Thomas J. Leeper
Website | Essential Reading

Week 7. Reading week (3 items)

Read any missed readings from the previous weeks and go through any of the further readings that you didn't read. Additionally, take the opportunity to learn how to build more complex graphs in R using the ggplot2 package. Start with the R4DS chapter, but if you're really interested, explore Healy's online book on 'Data visualisation'; it's one for a lifetime of learning.

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R for Data Science
Book | Further Reading | Ch. 28

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Data Visualization
Book | Further Reading

Week 8. Probability and odds (2 items)

An introduction to categorical data analysis - Alan Agresti, 2019
Book | **Set Text** | ICDA Ch. 3; Further readings: ICDA Ch. 2

Statistical modelling of key variables in social survey data analysis - Roxanne Connelly, Vernon Gayle, Paul S. Lambert, 2016-04-05
Article | Further Reading

Week 9. Logistic regression (5 items)

An introduction to categorical data analysis - Alan Agresti, 2019
Book | **Set Text** | ICDA Ch. 4

Regression and other stories - Andrew Gelman, Jennifer Hill, Aki Vehtari, 2020
Book | **Further Reading** | ROS Ch. 13 & 14

Maximum Likelihood for Social Science - Michael D. Ward, John S. Ahlquist, 2018-11-30
Book | **Further Reading** | MLSS Ch. 3

Application and replication readings

Does Generalized Social Trust Lead to Associational Membership? Unravelling a Bowl of Well-Tossed Spaghetti - Kim Mannemar Sønderskov, 2011
Article | Set Text

Week 10. Multicategory logistic regression (3 items)

An introduction to categorical data analysis - Alan Agresti, 2019
Book | **Set Text** | ICDA Ch. 6

Regression and other stories - Andrew Gelman, Jennifer Hill, Aki Vehtari, 2020
Book | **Further Reading** | ROS Ch. 15

Maximum Likelihood for Social Science - Michael D. Ward, John S. Ahlquist, 2018-11-30
Book | **Further Reading** | MLSS Ch. 8, 9 & 10

Week 11. Multilevel and longitudinal models (6 items)

Multilevel Modeling in Plain Language - Karen Robson, David Pevalin, 2016
Book | **Set Text**

An introduction to categorical data analysis - Alan Agresti, 2019
Book | **Further Reading** | ICDA Ch. 10

Application and replication reading

Trusting the State, Trusting Each Other? The Effect of Institutional Trust on Social Trust - Kim Mannemar Sønderskov, Peter Thisted Dinesen, 2016-3

Article | Essential Reading

R coding practice

R for Data Science
Book | **Essential Reading** | R4DS Ch. 12 & 13