

Big Data Analysis for Social Scientists
 ACSPRI 2016 Winter Program (Week 2: 4-8 July 2016)
 Instructors: Dr Robert Ackland (Australian National University)
 & Mr Timothy Graham (University of Queensland & Australian National University)
 Draft Program (4th July)

Day 1 (Mon 4 July)

9.30-10.30	Welcome and introduction to course Introduction to SocialMediaLab Rstudio, R refresher
10.30-11.00	<i>Morning tea</i>
11.00-12.30	R refresher (cont.) Collecting Facebook data with SocialMediaLab
12.30-1.30	<i>Lunch</i>
1.30-3.00	Social network analysis – introduction SNA in R – introduction
3.00-3.30	<i>Afternoon tea</i>
3.30-5.00	Text analysis in R – introduction

Day 2 (Tue 5 July)

9.00-10.30	Collecting Twitter data with SocialMediaLab
10.30-11.00	<i>Morning tea</i>
11.00-12.30	SNA in R (cont.)
12.30-1.30	<i>Lunch</i>
1.30-3.00	Text analysis in R (cont.)
3.00-3.30	<i>Afternoon tea</i>
3.30-5.00	Intro to Gephi

Day 3 (Wed 6 July)

9.00-10.30	Collecting YouTube data with SocialMediaLab
10.30-11.00	<i>Morning tea</i>
11.00-12.30	Dynamic network analysis in R
12.30-1.30	<i>Lunch</i>
1.30-3.00	Dynamic network analysis in R (cont.)
3.00-3.30	<i>Afternoon tea</i>

3.30-5.00	Working on class projects
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Day 4 (Thu 7 July)

9.00-10.30	Collecting hyperlink network data using VOSON
10.30-11.00	<i>Morning tea</i>
11.00-12.30	VOSON (cont.)
12.30-1.30	<i>Lunch</i>
1.30-3.00	Gephi (cont.)
3.00-3.30	<i>Afternoon tea</i>
3.30-5.00	Working on class projects

Day 5 (Fri 8 July)

9.00-10.30	SNA and text analysis in R – advanced topics
10.30-11.00	<i>Morning tea</i>
11.00-12.30	Optimising R to handle big datasets
12.30-1.30	<i>Lunch</i>
1.30-3.00	Project presentations and wrap up
3.00-3.30	<i>Course finishes</i>