

CASOS Summer Institute 2011

Day 1

6/7/2011

<u>Time</u>	<u>What</u>	<u>Instructor</u>	<u>TA's</u>
08:00 - 08:30	Breakfast & Registration - start making sure software is on machines		PhDs, Frank, Mike B, Dan C, Jeff, Jon
08:30 - 08:40	Welcome	Prof. Kathleen M. Carley	
08:40 - 10:45	Dynamic Network Analysis Overview	Prof. Kathleen M. Carley	All CASOS PhDs
10:45 - 11:00	Break		
11:00 - 12:30	Groups and Reasoning	Prof. Kathleen M. Carley	All CASOS PhDs
12:30 - 13:30	Lunch - & make sure software is on machines		PhDs, Frank, Mike B, Dan C, Jeff, Jon
13:30 - 14:30	Getting Started - The data import wizard, basic interface	Jeffrey R. Reminga Jon Storrick	All CASOS PhDs
14:30 - 15:00	ORA CEMAP	Jamie Olson	All CASOS PhDs
15:00- 15:15	Break		
15:15 -16:45	Visualization, Visualizer Data Entry, and Reports	Jeffrey R. Reminga Jon Storrick	All CASOS PhDs
16:45 - 17:30	PileSort	Mike Bigrigg	All CASOS PhDs
17:30-17:45	Summary	Prof. Kathleen M. Carley	All CASOS PhDs
17:30 - 18:00	Pictures	All SI and All SI CASOS Staff and PhD Students	
18:00 - 20:00	Reception	All CASOS Center Invited	

All CASOS PhDs	Jana Diesner, Jamie Olson, Peter Landwehr, Geoff Morgan, Michael Lanham, Wei Wei, Kenny Joseph
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Day 2

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<u>Time</u>	<u>What</u>	<u>Instructor</u>	<u>TA's</u>
08:00 - 08:30	Breakfast Continental		
08:30 - 10:30	The nature of data and theory and how it impacts results; The importance of both structural and non-structural data	Prof. Jeff Johnson	All CASOS PhDs
10:30 - 10:45	Break		
10:45 - 12:15	Hands on - Doing this in ORA & PileSort	Prof. Jeff Johnson	All CASOS PhDs
12:15 - 13:15	Lunch		
13:15 - 14:45	Groups and Changes over Time	Prof. Jeff Johnson	All CASOS PhDs
14:45 - 15:00	Break		
15:00 - 17:00	Hands on - Comparing Networks at two time periods, at multiple time periods	Prof. Jeff Johnson	All CASOS PhDs
17:00 - 17:15	Break		
17:15 - 18:45	Hypothesis Testing in SNA	Prof. Jeff Johnson	All CASOS PhDs

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Day 3

6/7/2011

<u>Time</u>	<u>What</u>	<u>Instructor</u>	<u>TA's</u>
08:00 - 08:30	Breakfast Continental		
08:30 - 10:30	What is AutoMap? What is Data to Model?	Jana Diesner & Peter Landwehr	All CASOS PhDs
10:30 - 10:45	Break		
10:45 - 12:15	Extracting and Analyzing Semantic Networks, Using Ngram thesauri and	Jana Diesner & Peter Landwehr	All CASOS PhDs
12:15 - 13:15	Lunch		
13:15 - 14:45	Extracting and Analyzing Meta-Networks, using named entity wizard	Jana Diesner & Peter Landwehr	All CASOS PhDs
14:45-15:00	Break		
15:00-17:00	Data to Model and AutoMap in Batch Mode	Mike Bigrigg & Frank Kunkel	All CASOS PhDs
17:00 - 17:15	Break		
17:15 - 18:45	Small Group Work: Hands-on Entering Data, Visualizations, Simulation	Group Leads: TBD	All CASOS PhDs

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Day 4

6/7/2011

<u>Time</u>	<u>What</u>	<u>Instructor</u>	<u>TA's</u>
08:00 - 08:30	Breakfast Continental		
08:30 - 09:30	Centralities, redundancies, cognitive demand - Measures and Reports	Jürgen Pfeffer	All CASOS PhDs
09:30 - 10:30	Groups: Grouping Algorithms - Components, Concor, Newman, Fog, K-Means,	Jürgen Pfeffer	All CASOS PhDs
10:30 - 10:45	Break		
10:45 - 12:00	Using Information on Node Attributes : In the Visualizer, In Reports, in the Group	Jürgen Pfeffer	All CASOS PhDs
12:00 - 13:00	Lunch		
13:00 - 14:45	Trails and Networks: Loom; Going from Trails to Networks and Networks to Trails	Jamie Olson	All CASOS PhDs
14:45 - 15:00	Break		
15:00 - 17:00	Reasoning about Spatially Embedded Networks: New metrics and Spatial Reports	Jamie Olson	All CASOS PhDs
	ORA-GIS, Import/Export to other tools	Jamie Olson	All CASOS PhDs
17:00 - 17:15	Break		
17:15 - 18:45	Small Group Work: Hands On	ALL	All CASOS PhDs

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Day 5

6/7/2011

<u>Time</u>	<u>What</u>	<u>Instructor</u>	<u>TA's</u>
08:00 - 08:30	Breakfast Continental		
08:30 - 10:30	Reasoning about Networks Over Time: comparison of two networks, measures over time, temporal report, change detection	Jürgen Pfeffer	All CASOS PhDs
10:30 - 10:45	Break		
10:45 - 12:00	Stylized Networks	Jamie Olson	All CASOS PhDs
12:15 - 13:15	Lunch		
13:15 - 14:45	Immediate Impact Report	Michael Martin	All CASOS PhDs
14:45 - 15:00	Break		
15:00 - 17:00	Prediction and Comparison of Two Networks: Hamming Distance, Correlation, QAP, MRQAP	Jürgen Pfeffer	All CASOS PhDs
17:00 - 17:15	Break		
17:15 - 18:00	Small Group Work: Hands On	Group Leads	All CASOS PhDs

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Day 6

6/7/2011

<u>Time</u>	<u>What</u>	<u>Instructor</u>	<u>TA's</u>
08:00 - 08:30	Breakfast Continental		
08:30 - 9:30	Construct Overview & Principles	Geoff Morgan Michael Lanham	All CASOS PhDs
09:30 - 10:30	Virtual Experiments and Validation for Agent Based Dynamic Network Models	Geoff Morgan Michael Lanham	All CASOS PhDs
10:30 - 10:45	Break		
10:45 - 12:00	Near-Term Analysis: Going from ORA to Construct and Construct to ORA	Geoff Morgan Michael Lanham	All CASOS PhDs
12:00 - 13:00	Lunch		
13:00 - 13:35	Illustrative Construct Results: Deterrence	Michael Lanham	All CASOS PhDs
13:35-14:10	Illustrative Construct Results: Resilience	Geoff Morgan	All CASOS PhDs
14:10-14:45	Illustrative Construct Results: City Level Information Diffusion and Interventions	Michael Martin	All CASOS PhDs
14:45 - 15:00	Break		
15:00 - 16:00	Micro-Simulations	Michael Lanham	All CASOS PhDs
16:00 - 17:00	ORA Batch Mode	Kenneth Joseph	All CASOS PhDs
17:00 - 17:15	Break		
17:15 - 18:45	Small Group Work: Hands On	Group Leads	All CASOS PhDs

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Day 7

6/7/2011

<u>Time</u>	<u>What</u>	<u>Instructor</u>
08:00 - 08:30	Breakfast Continental	
08:30 - 10:30	Break out sessions on tools and individualized training	All CASOS PhDs
10:30 - 10:45	Break	
10:45 - 12:15	Break out sessions on tools and individualized training	All CASOS PhDs
12:15 - 13:15	Lunch	
13:15 - 14:45	Break out sessions on tools and individualized training	All CASOS PhDs
14:45 - 15:00	Break	