

CASOS Summer Institute 2012

6/6/2012

Day 1 - June 11

<u>Time</u>	<u>What</u>	<u>Instructor</u>	<u>TA's</u>
08:00 - 08:30	Breakfast & Registration *Check machines - ensure software is installed		All CASOS PhDs, 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 & Reasoning Networks	Prof. Kathleen M. Carley	All CASOS PhDs
12:30 - 13:30	Lunch *Check machines - ensure software is installed		All CASOS PhDs, Jeff, Jon
13:30 - 14:30	Getting Started - The data Import Wizard, Basic Interface	Jeff Reminga Jon Storrick	All CASOS PhDs
14:30 - 15:00	ORA CEMAP	Jeff Reminga	All CASOS PhDs
15:00- 15:15	Break		
15:15 -16:45	Visualization, Visualizer Data Entry, & Reports	Jeff Reminga Jon Storrick	All CASOS PhDs
16:45 - 17:45	DNA - Key Metrics	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	Peter Landwehr, Geoff Morgan, Michael Lanham, Wei Wei, Kenny Joseph, Alex Loewi, Dennis Chung, Nelson Vega, Ghita Mezzour
----------------	---

CASOS Summer Institute 2012

Day 2 - June 12

<u>Time</u>	<u>What</u>	<u>Instructor</u>	<u>TA's</u>
08:00 - 08:30	Continental Breakfast		
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, Johnson Clustering	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 Report	Jürgen Pfeffer	All CASOS PhDs
12:00 - 13:00	Lunch		
13:00 - 15:00	Reasoning about Spatially Embedded Networks: New Metrics & Spatial Reports	Kenny Joseph	All CASOS PhDs
	ORA-GIS, Import/Export to Other Tools	Jon Storricks	All CASOS PhDs
15:00 - 15:15	Break		
15:15 - 17:00	Trails and Networks: Loom; Going from Trails to Networks & Networks to Trails	Kenny Joseph	All CASOS PhDs
17:00 - 17:15	Break		
17:15 - 18:45	Small Group Work: Hands On	ALL	All CASOS PhDs

CASOS Summer Institute 2012

6/6/2012

Day 3 - June 13

<u>Time</u>	<u>What</u>	<u>Instructor</u>	<u>TA's</u>
08:00 - 08:30	Continental Breakfast		
08:30 - 10:30	What is AutoMap? What is Data to Model?	Peter Landwehr & Michael Lanham	All CASOS PhDs
10:30 - 10:45	Break		
10:45 - 12:15	Extracting Semantic Networks and Meta-Networks, & Script Runner	Peter Landwehr & Michael Lanham	All CASOS PhDs
12:15 - 13:15	Lunch		
13:15 - 14:35	AutoMap to ORA & Special Reports	Peter Landwehr & Michael Lanham	All CASOS PhDs
14:30-14:45	Break		
14:45-15:15	Pile Sort	Peter Landwehr & Michael Lanham	All CASOS PhDs
15:15-15:45	Data Entry & Editing Through Visualizer	Peter Landwehr & Michael Lanham	All CASOS PhDs
15:45-17:00	D2M & Batch Mode	Peter Landwehr & Michael Lanham	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

CASOS Summer Institute 2012

6/6/2012

Day 4 - June 14

<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 - 11:45	Stylized Networks	Ghita Mezzour	All CASOS PhDs
11:45 - 13:00	Lunch		
13:00 - 14:30	Prediction & Comparison of Two Networks: Hamming Distance, Correlation, QAP, MRQAP	Jürgen Pfeffer	All CASOS PhDs
14:30-15:15	Changes in One and Two Mode Metrics	Wei Wei	All CASOS PhDs
15:15- 15:30	Break		
15:30 - 17:15	Immediate Impact Report	Michael Martin	All CASOS PhDs
17:15 - 17:30	Break		
17:30 - 18:30	Small Group Work: Hands On	Group Leads	All CASOS PhDs

CASOS Summer Institute 2012

6/6/2012

Day 5 - June 15

<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 & Theory & How it Impacts Results; The Importance of Both Structural & 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 & 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

CASOS Summer Institute 2012

6/6/2012

Day 6 - June 16

<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 Kenny Joseph	All CASOS PhDs
09:30 - 10:30	Virtual Experiments & Validation for Agent Based Dynamic Network Models	Geoff Morgan Kenny Joseph	All CASOS PhDs
10:30 - 10:45	Break		
10:45 - 12:00	Near-Term Analysis: Going from ORA to Construct & Construct to ORA	Geoff Morgan Kenny Joseph	All CASOS PhDs
12:00 - 13:00	Lunch		
13:00 - 13:35	Illustrative Construct Results: Nuclear Deterrence	Geoff Morgan	All CASOS PhDs
13:35-14:10	Illustrative Construct Results: Security	Michael Lanham	All CASOS PhDs
14:10-14:45	Illustrative Construct Results: Media Interventions on a Diverse Population	Kenny Joseph	All CASOS PhDs
14:45 - 15:00	Break		
15:00 - 16:00	Micro Simulations	Wei Wei	All CASOS PhDs
16:00 - 17:00	Visualizing Simulation Results	Geoff Morgan	All CASOS PhDs
17:00 - 17:15	Break		
17:15 - 18:45	Small Group Work: Hands On	Group Leads	All CASOS PhDs

CASOS Summer Institute 2012

Day 7 - June 17

6/6/2012

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