

CASOS Summer Institute 2010

Day 1

5/26/2010

| <u>Time</u> | <u>What</u> | <u>Instructor</u> | <u>TA's</u> |
|---------------|--|---------------------------------|-------------|
| 08:00 - 08:30 | Breakfast & Registration | | |
| 08:30 - 08:40 | Welcome | Prof. Kathleen M. Carley | |
| 08:40 - 10:45 | Dynamic Network Analysis Overview | Prof. Kathleen M. Carley | All |
| 10:45 - 11:00 | Break | | |
| 11:00 - 12:30 | Groups and Reasoning Networks | Prof. Kathleen M. Carley | All |
| 12:30 - 13:30 | Lunch | | |
| 13:30 - 14:00 | Ensure software is on all machines | CASOS | ALL |
| 14:00 - 15:00 | Getting Started - Importing and Entering Data: From CSV files, from UCINET, Through Editor, | Jeffrey R. Reminga | All |
| 15:00- 15:15 | Break | | |
| 15:15 -16:30 | Visualization and Reports | Jeffrey R. Reminga | All |
| 16:30 - 17:30 | CEMAP | Terrill L. Frantz | All |
| 17:30 - 18:00 | Pictures | All SI team members | |
| 18:00 - 20:00 | Reception | All CASOS Center Invited | |

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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 | What is AutoMap? | Jana Diesner & Peter Landwehr | Frank, Jamie, Jesse, Geoff, Ju-Sung, Brian, Terrill |
| 10:30 - 10:45 | Break | | |
| 10:45 - 12:15 | Extracting and Analyzing Semantic Networks | Jana Diesner & Peter Landwehr | Frank, Jamie, Jesse, Geoff, Ju-Sung, Brian, Terrill |
| 12:15 - 13:15 | Lunch | | |
| 13:15 - 14:45 | Extracting and Analyzing Meta-Networks | Jana Diesner & Peter Landwehr | Frank, Jamie, Jesse, Geoff, Ju-Sung, Brian, Terrill |
| 14:45-15:00 | Break | | |
| 15:00-17:00 | PileSort, Batch mode and SORASCS | Mike Bigrigg & Frank Kunkel | Jana, Peter, Jamie, Jesse, Geoff, Ju-Sung, Brian, Terrill |
| 17:00 - 17:15 | Break | | |
| 17:15 - 18:45 | Small Group Work: Hands-on Entering Data and visualizations | Group Leads: Bigrigg, Kunkel, Landwehr, Diesner, | Jamie, Jesse, Geoff, Ju-Sung, Brian |

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Day 3

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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 | Jana, Terrill, Jamie, Peter, Jesse, Geoff, Brian |
| 10:30 - 10:45 | Break | | |
| 10:45 - 12:15 | Hands on - Doing this in ORA & PileSort | Prof. Jeff Johnson | Jana, Terrill, Jamie, Peter, Jesse, Geoff, Brian |
| 12:15 - 13:15 | Lunch | | |
| 13:15 - 14:45 | Groups and Changes over Time | Prof. Jeff Johnson | Jana, Terrill, Jamie, Peter, Jesse, Geoff, Brian |
| 14:45 - 15:00 | Break | | |
| 15:00 - 17:00 | Hands on - Comparing Networks at two time periods, at multiple time periods | Prof. Jeff Johnson | Jana, Terrill, Jamie, Peter, Jesse, Geoff, Brian |
| 17:00 - 17:15 | Break | | |
| 17:15 - 18:45 | Hypothesis Testing in SNA | Prof. Jeff Johnson | Jana, Terrill, Jamie, Peter, Jesse, Geoff, Brian |

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Day 4

| <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 | Terrill L. Frantz | Jana, George, Jamie, Peter, Jesse, Brian, Geoff |
| 09:30 - 10:30 | Groups: Grouping Algorithms - Construct, Newman, Fog, K-Means, Johnson Clustering | George Davis | Jana, Terrill, Jamie, Peter, Jesse, Brian, Geoff |
| 10:30 - 10:45 | Break | | |
| 10:45 - 12:00 | Using Information on Node Attributes : In the Visualizer, In Reports, in the Group | Terrill L. Frantz | Jana, George, Jamie, Peter, Jesse, Brian, Geoff |
| 12:00 - 13:00 | Lunch | | |
| 13:00 - 14:45 | Trails and Networks: Loom; Going from Trails to Networks and Networks to Trails | George Davis | Jana, Terrill, Jamie, Peter, Jesse, Brian, Geoff |
| 14:45 - 15:00 | Break | | |
| 15:00 - 17:00 | Reasoning about Spatially Embedded Networks: New metrics and Spatial Reports | Jamie Olson | Jana, George, Terrill, Peter, Jesse, Brian, Geoff, Eric |
| | ORA-GIS, Import/Export to other tools | Jamie Olson | Jana, George, Terrill, Peter, Jesse, Brian, Geoff, Eric |
| 17:00 - 17:15 | | | |
| 17:15 - 18:45 | Small Group Work: Hands On | ALL | Jana, George, Terrill, Jamie, Peter, Jesse, Brian, Geoff, Eric |

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Day 5

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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 | Reasoning about Networks Over Time: comparison of two networks, temporal | Jamie Olson | Jana, Terrill, Jamie, Peter, Jesse, Brian, Geoff |
| 10:30 - 10:45 | Break | | |
| 10:45 - 12:15 | Prediction and Comparison of Two Networks: Hamming Distance, Correlation, QAP, | Jamie Olson | Jana, Terrill, Jamie, Peter, Jesse, Brian, Geoff |
| 12:15 - 13:15 | Lunch | | |
| 13:15 - 14:45 | Immediate Impact Report | Michael Martin | Jana, Terrill, Jamie, Peter, Jesse, Brian, Geoff |
| 14:45 - 15:00 | Break | | |
| 15:00 - 17:00 | Belief Inference and Belief Report | Jeff Reminga | Jana, Terrill, Jamie, Peter, Jesse, Brian, Geoff |
| 17:00 - 17:15 | Break | | |
| 17:15 - 18:00 | Small Group Work: Hands On | Group Leads | Jana, Terrill, Jamie, Peter, Jesse, Brian, Geoff |

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Day 6

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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 - 9:30 | Construct Overview & Principles | Brian Hirshman | Jana, Terrill, Jamie, Peter, Jesse, Geoff |
| 09:30 - 10:30 | Designing Virtual Experiments and Validation for Agent Based Dynamic Network Models | Jesse St. Charles | Jana, Terrill, Jamie, Peter, Brian, Geoff |
| 10:30 - 10:45 | Break | | |
| 10:45 - 12:00 | Near-Term Analysis: Going from ORA to Construct and Construct to ORA | Terrill Frantz | Jana, Brian, Jamie, Peter, Jesse, Geoff |
| 12:00 - 13:00 | Lunch | | |
| 13:00 - 13:35 | Illustrative Construct Results: Mergers | Terrill Frantz | Jana, Brian, Jamie, Peter, Jesse, Geoff |
| 13:35-14:10 | Illustrative Construct Results: Social Change | Jesse St. Charles | Jana, Brian, Jamie, Peter, Terrill, Geoff |
| 14:10-14:45 | Illustrative Construct Results: Information Diffusion | Brian Hirshman | Jana, Terrill, Jamie, Peter, Jesse, Geoff |
| 14:45 - 15:00 | Break | | |
| 15:00 - 17:00 | Construct Batch Mode | Brian Hirshman | Jana, Terrill, Jamie, Peter, Jesse, Geoff |
| 17:00 - 17:15 | Break | | |
| 17:15 - 18:45 | Small Group Work: Hands On | Group Leads | Jana, Terrill, Jamie, Peter, Jesse, Brian, |

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Day 7

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| <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 | Jana, Terrill, Jamie, Peter, Jesse, Geoff, Brian |
| 10:30 - 10:45 | Break | |
| 10:45 - 12:15 | Break out sessions on tools and individualized training | Jana, Terrill, Jamie, Peter, Jesse, Geoff, Brian |
| 12:15 - 13:15 | Lunch | |
| 13:15 - 14:45 | Break out sessions on tools and individualized training | Jana, Terrill, Jamie, Peter, Jesse, Geoff, Brian |
| 14:45 - 15:00 | Break | |