

Course Schedule W

Week	Module Content	Assignments
Week 0	<p>Orientation (https://webcourses.ucf.edu/courses/1176456/pages/course-orientation)</p> <p>Syllabus (https://webcourses.ucf.edu/courses/1176456/assignments/syllabus)</p> <p>Expectations (https://webcourses.ucf.edu/courses/1176456/pages/course-expectations)</p>	<p>Slides (https://webcourses.ucf.edu/files/53337658) Syllabus Quiz (https://webcourses.ucf.edu/courses/1176456/quizzes/1443272)</p> <p>Introduction Discussion (https://webcourses.ucf.edu/courses/1176456/discussion_topics/3)</p>
Week 1	<p>Understanding the cybersecurity landscape and the data environment (https://webcourses.ucf.edu/courses/1176456/pages/module-1-content)</p>	<p>Objectives (https://webcourses.ucf.edu/courses/1176456/pages/n1-introduction) Slides (https://webcourses.ucf.edu/files/5294267) Summary (https://webcourses.ucf.edu/courses/1176456/pages/m1-summary)</p> <p>Discussion 1 (https://webcourses.ucf.edu/courses/1176456/discussion_topics/3)</p> <p>Basic commands in R (https://webcourses.ucf.edu/courses/1176456/files/52598599/download)</p> <p>Dataset Download (https://webcourses.ucf.edu/courses/1176456/files/52942907/download)</p> <p>Problem Set 1 (https://webcourses.ucf.edu/courses/1176456/quizzes/1435367)</p>
Week 2	<p>Data Summarization and Description in cybersecurity informatics (CI) (https://webcourses.ucf.edu/courses/1176456/pages/course-schedule-w)</p>	<p>Objectives (https://webcourses.ucf.edu/courses/1176456/pages/course-schedule-w) Slides (https://webcourses.ucf.edu/courses/1176456/pages/course-schedule-w)</p> <p>Summary (https://webcourses.ucf.edu/courses/1176456/pages/course-schedule-w)</p>
Week 3	<p>Developing confidence intervals for cybersecurity data</p>	<p>Objectives Slides Summary</p> <p>Problem Set 2</p>
Week 4	<p>Interpreting confidence interval for understanding cyber phenomena</p>	<p>Objectives Slides Summary</p> <p>Online Discussion 2 (describe the domain and data collections that can be used in a CI study of your interest)</p>
Week 5	<p>The scientific process of detecting cybersecurity threats</p>	<p>Objectives Slides Summary</p> <p>Problem Set 3</p>

Week 6	Procedure and tools for interpreting testing results	Objectives Slides Summary
Week 7	Mid-Term Review Mid-Term Exam	-
Week 8	Correlational research in cybersecurity	Objectives Slides Summary Online Discussion 3 (write a coherent proposal (< 300 words) on y interested CI study; describe the motivation, goals, data to be use expected results)
Week 9	Predicting activities in cybersecurity events	Objectives Slides Summary
Week 10	Exploratory study of cyber phenomena	Objectives Slides Summary Online Discussion 4: Peer review of peers proposals submitted in previous online discussion (comment on two other proposals writ Group Members Y and Z, where X=your group member number, `N)+1, Z=((X+1) % N)+1, and N=number of members in your group "% " is the modulo operator, e.g., 7 % 5 = 2.
Week 11	Clustering cybersecurity cases and data	Objectives Slides Summary Problem Set 4
Week 12	Profiling and categorizing intelligence factors	Objectives Slides Summary
Week 13	Classifying cybersecurity incidents and threats	Objectives Slides Summary Online Discussion 5 (combine your revised proposal with your an write-up to create a preliminary version of your paper in the form more than 15 slides. Then share in the online discussion. Comme at least two of the other submissions (to be assigned by instructo
Week 14	Understanding networks of actors in cybersecurity incidents	Problem Set 5
Week 15	Modeling networks for community analyses	-
Week 16	Final Review Final Exam	Individual Paper (integrate your revised write-up with all the peer comments you received from previous discussions to create a co research paper)

