

## Day 2 – Tuesday

TIME	TOPIC	FACULTY	FORMAT
9:00 – 9:15 AM	Daily Check-In	All L1 faculty	L1
9:15-10:45 AM	<u>Research question presentations</u> : students split into 2 groups to present using updated power point template. Use any extra time to incorporate feedback.	All L1 faculty	L1
10:45 – 11:00 AM	Tea/Coffee Break		
11:00 - 12:00 PM	Research question presentations, continued	All L1 faculty	L1
12:00 -1:00 PM	Summary of key points and discussion: Basic Study Designs, Key Variables, Instrument Design 12:00 -12:20 Summary of Key Points 12:20- 12:40 Complete case study examples in pairs 12:40-1:00 Report answers and discuss with whole group	Ann	L1
1:00 – 2:00 PM	Lunch		
2:00 -3:00 PM	<u>Small Group</u> : Discuss and refine each student’s exposure and outcome definition, and questionnaire (HW 1) (15-20 min/student)	All L1 faculty	L1 small groups
3:00 – 3:30 PM	<u>Mentored individual work</u> to refine Research question and exposure/outcome definition, questionnaires (HW 1)	All L1 faculty	1:1 mentoring
3:30 – 3:45 PM	Tea/Coffee Break		
3:45 – 4:30 PM	<u>Mentored individual work</u> to refine Research question and exposure/outcome definition, questionnaires (HW 1)	All L1 faculty	1:1 mentoring
4:30 – 6:00 PM	<u>Lecture: Interactive biostatistics session</u>	Adithya	
6:00 – 6:30 PM	<u>Plenary talk</u> : Mendeley references	Vasu	
6:30 – 6:45 PM	Faculty debrief		

<b>DAY 2 EVENING</b>	<p><b>Finalize Research Question and Homework 1</b></p> <p><b>Do one of the following:</b></p> <p><b>A. Read:</b> Hulley Chapters 3, 5 and 6</p> <p><b>B. View the following videos:</b></p> <ol style="list-style-type: none"> <li>1) Sampling (Parts 1,2)- 46 min</li> <li>2) Sample Size- 18 min</li> </ol> <p><b>Begin HW 2</b> (complete Q1 and Q2; think about Q3, which will be drafted in class on Day 3)</p> <ol style="list-style-type: none"> <li>1. Describe the participants that you will study by addressing each of the following in 1-2 sentences (1/2 page total): <ul style="list-style-type: none"> <li>Target population</li> <li>Accessible population</li> <li>Inclusion criteria (with brief justification)</li> <li>Exclusion criteria (with brief justification)</li> <li>How participants will be sampled from accessible population</li> </ul> </li> <li>2. Describe the measurement of your exposure and/or outcome variable(s), and strategies for reducing random and systematic error in your measurement of the variable(s) (1/2 page)</li> <li>3. Estimate the sample size required for your study <ul style="list-style-type: none"> <li>• Descriptive studies: Comment on and justify your choice of expected standard deviation or desired precision (width of confidence interval) and confidence level.</li> <li>• Analytic studies: Specify your primary hypothesis, state the null hypothesis, select the appropriate statistical test (based on type of predictor and outcome variable), specify assumptions (effect size, alpha and number of tails, beta) and estimate sample size using Chapter 6 Appendix or an online calculator (e.g., <a href="http://www.sample-size.net/">http://www.sample-size.net/</a>).</li> </ul> </li> </ol> <p><b>-Complete Day 2 participant evaluation</b></p>
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