**SciX 2020 Summer School Schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Time** | **Main Points** | **Description** |
| Monday | 10:00-11:00 | 1-hour lecture  Introduction to Cognitive Science/Psychology | * Introduction to cognitive science and an overview of the week (presented by Steve Most) |
| 11:00-11:30 | Individual Activity | * You will be assigned to read 1 research article (dependent on your hypothesis) with key paragraphs highlighted to focus on * Don’t worry if you don’t finish reading, you’ll have time on Tuesday |
| 11:30-12:00 | Full Group Chat |  |
| 2:00-3:00 | 60-minute workshop  Overview of pre-registration and psychology experiments | * **Goals: understand the process of data collection and complete your own pre-registration form**   *\* homework: complete a draft of your pre-registration* |
| 3:00-4:30 | 3-4 student mini groups | Answer questions with primary focus on pre-registration and R |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Time** | **Main Points** | **Description** |
| Tuesday | 10:00-10:45 | Individual Activity (30-45 mins) | * Return to your research article that you started reading yesterday and answer the questions provided on Teams * Be prepared to share your answers with the class |
| 10:45-11:30 | 45-minute lecture  Review of cognitive tasks and questionnaires | * **Goal: have a solid understanding of each of the tasks and measures used in our experiment** |
| 11:30-12:00 | Full Group Chat |  |
| 2:00-3:00 | 60-minute workshop  Introduction to statistics | * **Goals: learn some basic statistics**   \**homework: think about the variables in your hypothesis. E.g. What type of variables are they? Do you predict a positive or negative correlation?* |
| 3:00-4:30 | 3-4 student mini groups | Answer questions |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Time** | **Main Points** | **Description** |
| Wednesday | 10:00-10:45 | 45-minute lecture  Data analysis (R script) | * **Goal: understand how to reverse code, how to conduct a t test, how to make a plot all in R** |
| 10:45-11:30 | Individual Activity | Use this time to practice any of the following (there will be an “analysis plan” template for you to work through):   * Reverse coding * Get descriptive statistics (mean, median, mode, max, min, etc) * Conduct a t test * Making plots |
| 11:30-12:00 | Full Group Chat |  |
| 2:00-3:00 | 60-minute workshop  Data analysis | * **Goal: have the skills to complete your analysis plan**   \**homework: begin/continue working on the analysis plan (e.g. descriptive statistics, graphs, statistical tests, etc)* |
| 3:00-4:30 | 3-4 student mini groups | Answer questions­ |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Time** | **Main Points** | **Description** |
| Thursday | 10:00-10:45 | 45-minute workshop  Data analysis | * Continue data analysis lecture * Time for QnA |
| 10:45-11:30 | Individual Activity | * Continue data analysis. If you have extra time, you can think of new questions from your data to conduct exploratory or secondary analyses or begin working on your 5 min presentation |
| 11:30-12:00 | Full Group Chat |  |
| 2:00-3:00 | 60-minute workshop  Flexible | * **Goal: feel prepared to put together your 5-minute presentations**   *\*homework: begin putting together your 5-minute presentation (you’ll have time Friday morning to finish)* |
| 3:00-4:30 | 3-4 student mini groups | Answer questions­ |

|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Time** | **Main Points** | **Description** |
| Friday | 10:00-10:45 | 45-minute workshop  Student presentations | Finalize your 5-minute presentations |
| 11:30-12:00 | Full Group Chat |  |