

Day	Morning (Lecture)	Afternoon (Project Goals)
Monday	What is Bioinformatics, Basics of Genetics and basics of DNA/RNA	Project Introduction and explanation, Pedigrees and Analysis (through analyzing project pedigrees)
Tuesday	Basics of Data Analysis in R, loops, if statements, packages to plot in R	Programming Practice: Create visualizations of project data in R, and write methods to detect different types of data from the sequences
Wednesday	Genetic Markers and Identification	Understanding which genetic markers are indicative of assigned diseases, Programming Practice: Using programming skills learned throughout the camp to detect these Genetic Markers
Thursday	more explanation regarding DNA, RNA, and basics of CRISPR	Creating Final Presentations, thinking about CRISPR and relation to projects, practicing final presentations
Friday	Career Panel, Potential Equipment Demonstrations, (If time permits, presentation practice)	Final Project Presentations, Awards