2022 Quantitative Biology Bootcamp, CSHL School of Biological Sciences

Instructors:

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Teaching assistants:

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GitHub Repository: https://github.com/jbkinney/22e qbbootcamp

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Day 1: Monday, 29 August 2022, 10am - 5pm, Bush Hall, Fireplace Room
           10:00am - 10:30am: Overview of Quantitative Biology (lecture, Justin)
           10:30am - 12:00pm: The Unix command line (tutorial, Ivan)
           12:00pm - 1:00pm: Lunch (provided)
           1:00pm - 1:30pm: Introduction to Python and Jupyter Notebooks (tutorial, Justin)
           1:30pm - 3:30pm: Python: data types (tutorial, Justin)
           3:30pm - 4:00pm: Break
           4:00pm - 5:00pm: Python: flow control (tutorial, Ivan)
Day 2: Tuesday, 30 August 2022, 10am - 6pm, Bush Hall, Fireplace Room
           10:00am - 10:30am: Overview of high-performance computing (lecture, Justin)
           10:30am - 12:00pm: Read mapping using Elzar (tutorial, Justin)
           12:00pm - 1:00pm: Lunch (provided)
           1:00pm - 2:00pm: Python: flow control cont. (tutorial, Ivan)
           2:00pm - 2:15pm: Introduction to Pandas (lecture, Justin)
           2:15pm - 2:30pm: Break
           2:30pm - 4:15pm: Pandas I, TF analysis (tutorial, Justin)
           4:15pm - 4:30pm: Break
           4:30pm - 6:00pm: Pandas II, Replication origin analysis (tutorial, Ivan)
Day 3: Wednesday, 31 August 2022, 2pm - 6pm, Bush Hall, Fireplace Room
           2:00pm - 2:30pm: Introduction to Data Visualization (lecture, Justin)
           2:30pm - 4:00pm: Matplotlib (tutorial, Ivan)
           4:00pm - 4:30pm: Break
           4:30pm - 6:00pm: Advanced visualization (tutorial, Justin)
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