

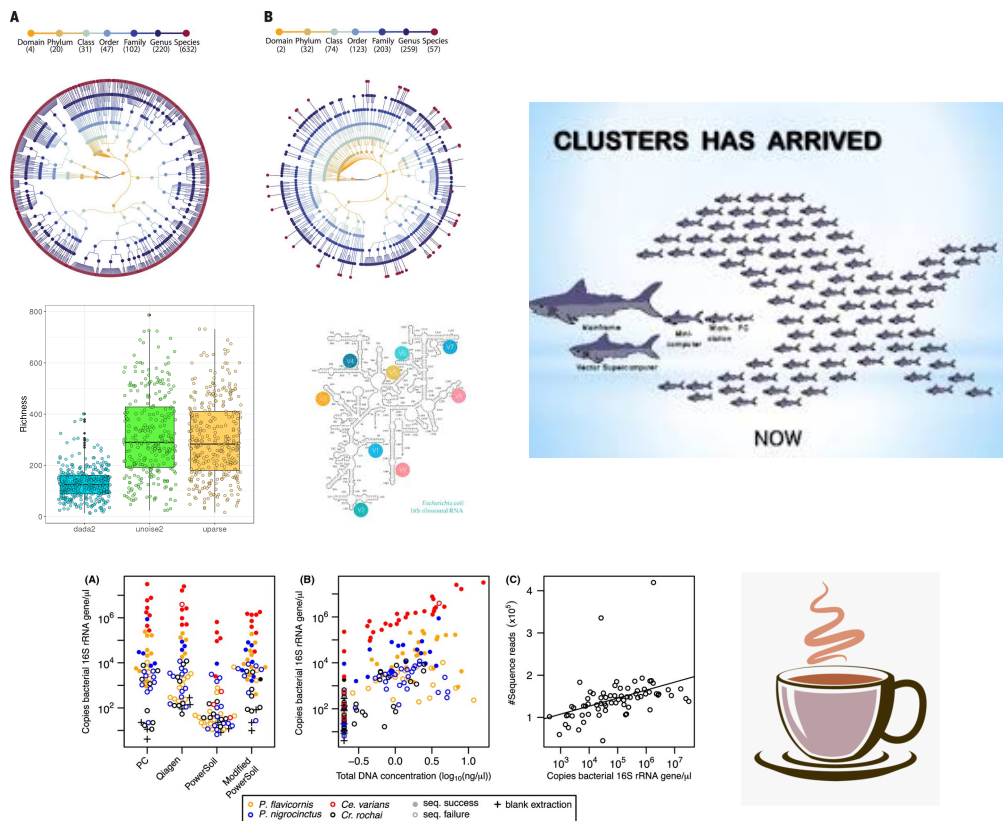
BDS 491

Capstone Projects in Biological Data Science I

Winter 2019

Quantitative skills and biological thinking will be used to analyze and draw conclusions from real-world biological datasets. Projects will be completed in the context of small groups. Draws on skills in mathematics, statistics, computer science, and biology

Prerequisites: (ST 352 OR ST 412) AND (CS 162 OR BOT 476 OR BB 485 OR MTH 427) OR instructor consent



Teams of students will work on a weekly basis to complete a research project.

Weekly lectures will focus on: Illumina sequencing, microbiome and 16S data analysis, and reproducible pipeline. A second section of this class (BDS492) will be offered the spring for in-depth analysis.

Lectures: Monday, Wednesday 1000-1050 + one additional hour meeting for project advancement in [Strand Agriculture Hall 111](#) (1/6 to 3/13)

3 credits

CNR 40537

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