Experiential Data science for Undergraduate Cross-disciplinary Education (EDUCE)

Education with Data and Platforms through the ECOSCOPE network

EDUCE seeks to develop a uniform experiential learning framework for data science that is both cross-disciplinary and collaborative. This includes

- Interactive **modules** in 3rd and 4th year MICB courses covering the command line, data science programs, and statistics using microbiome sequence data

- Hands-on **workshops** in R/RStudio in collaboration with the Applied Statistics and Data Science Group (ADSa)

- Data science **hackathons** to tackle current data challenges in biology

- **Collaboration** by students across faculties (MICB, STAT, CPSC, and others) in relevant team scenarios

- Fully **open-source** materials available through the EDUCE GitHub (https://github.com/EDUCE-UBC) and website (in development)

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