

Faculty of Science Data Science Education Strategic Priorities

Create a Data Science Minor

- Build from new and existing courses
- Accessible to students in any disciplines
- Broaden foundational data science course
- Use open source tools
- Use evidence-based active pedagogy
- Provide professional development for faculty and TAs to share best practices in data science pedagogy

E.g. Timbers et al. TLEF

Infuse Data Science in disciplines

- Discipline specific course and curriculum transformations
- Build data skills through a student's years at UBC
- Discipline-specific, data-rich electives that count for data science minor
- Share and coordinate best practices within discipline
- Liaise with & participate in broader professional development

E.g. Ivanochko et al. TLEF,
Hallam et al, TLEF

Create Co-curricular activities and modules

- Data science workshops
- Modules for in-class activities
- Reinforce classroom learning objectives
- Hackathons & bootcamps
- Communities of practice

E.g. Hallam et al. TLEF