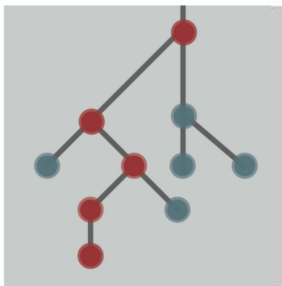**bioinformatics.ca**

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2024 Workshop Program
Canadian Bioinformatics Workshop Series

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Help! What Statistical Model Should I Use?

Date
August 19-21, 2024 - virtual

Faculty
Patrick McMillan, Alysha Cooper, Jacqueline May

Course Description
This is a specialized course designed for bioinformatics professionals and researchers dealing with biological datasets who are unsure about which statistical analysis they should implement. This course focuses on empowering participants to conduct end-to-end data analyses. Learn the art of selecting appropriate statistical methods aligned with research questions, and develop a decision tree guiding data cleaning, exploration, analysis, and interpretation. Engage in hands-on coding sessions in the R software with real-world datasets, learning the skills needed to confidently navigate and communicate insights throughout the analytical process. Particular emphasis will be placed on developing an understanding of the statistical methods used, when to apply them, and how to interpret them. By the course's conclusion, participants will be equipped with a concise and powerful toolkit for unlocking the full potential of complex biological datasets.

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