

# Estimating the distance between two sequences

David Bryant

*School of Computer Science*

*&*

*Department of Mathematics and Statistics*

*McGill University*

*3775 University, Lyman Duff Building*

*Montréal, Québec*

*CANADA H3A 2B4*

## **Abstract**

We discuss methods and models used for estimating the evolutionary distance between two sequences. We discuss discrete and continuous Markov models, methods for distance correction, and extension to models incorporating different evolutionary rates.