



COLLEGE of ENGINEERING
AND PHYSICAL SCIENCES

SCHOOL OF COMPUTER SCIENCE

PhD Seminar 1

Monday August 22, 2022 at 1:30pm in Reynolds 1101

Jeremy Foxcroft

*Linking Historical Canadian Census Data: Overview and
Open Research Questions*

Advisor: Dr. Luiza Antonie

Advisory: Dr. Kris Inwood [Economics]

Advisory: Dr. Fei Song

Abstract:

Record linkage is the process of identifying records across multiple data sources that refer to the same entity. This seminar will focus on defining and motivating the record linkage problem, describing the record linkage flow, and introducing different approaches to classification.

Linking census data is of particular interest for economists, historians, and public policy designers. The latter portion of this seminar will introduce the Canadian census collections from 1871-1921, and some of the challenges involved in linking these data. Bias in the resulting links and challenges in model evaluation will both be discussed..