LAKEHEAD UNIVERSITY
DEPARTMENT OF ECONOMICS
Fall 2017

ECONOMICS 4230/5411
CLIOMETRIC ANALYSIS

TOPICS IN QUANTITATIVE ECONOMIC HISTORY

L. DI MATTEO
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COURSE PREREQUISITES: ECONOMICS 2115/2117, BUSINESS 1066 or PERMISSION OF THE DEPARTMENT

Cliometrics is the study of quantitative economic history. This course is an introduction to the application of basic quantitative methods to research in economic history as well as techniques of data collection, data management and the design of quantitative history projects. Students will be introduced to the rich literature on quantitative economic history via selected research topics.

Grading

Term Tests: 30%  (October 18th and November 15th)
Project: 30%  (Due Date: November 29th, Must be handed in as a hard copy in essay form)
Final Exam: 40%  (Take home final exam).

Web Resources:

Economy, Ecology, Demography Research Unit (EED) University of Ghent
http://www.eed.ugent.be/

Bureau d'Économie Théorique et Appliquée (BETA) (Bureau of Economic Theory and Applications), Strasbourg

Universiteit Utrecht (University of Utrecht), Utrecht, Centre for Global Economic History (CGEH
http://www.cgeh.nl/

Centre for Economic Policy Research, Economic History Initiative,
http://cepr.org/content/economic-history
Term Project

Data Collection and Analysis Project

Using a primary source, you will put together a small data collection project and analysis. Primary sources are also available for the 1901, 1906, 1911 and 1851 Census of Canada at Automated Genealogy Index. http://automatedgenealogy.com/index.html. By small data project, we are looking at an initial collection not exceeding 200-250 individuals in the case of micro data. Please consult with instructor on this matter. See Term Paper guidelines at the end of this outline.
Outline

**MODULE 1**

*Introduction to quantitative methods and history, significance, brief history of the techniques, cliometrics, the counterfactual, overview of some of the primary data sources available, issues in quantitative economic history, brief review of regression and statistical techniques.*


**MODULE 2**


**MODULE 3**

*Quantitative Evidence on the Economic History of the Lakehead & Northern Ontario.*


**MODULE 4**

**Macro-Economic Evidence on the Economic Growth and Industrialization of Canada**


**MODULE 5**

**Nutrition, Health Status and Economic Welfare**


**MODULE 6**

**Fertility, Demography, Vital Statistics**


**MODULE 7**

**Wealth, Property and Inequality in 19th Century Canada**


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**MODULE 8**

**Wealth Determinants and Accumulation in the 19th Century**


**MODULE 9**

*The Wealth of Women in the 19th and early 20th Centuries*


**MODULE 10**

*A Quantitative Economic Perspective on the Building of the CPR*


**MODULE 11**

*The Curse of Natural Resources & Other Disasters*


TERM PAPER GUIDELINES FOR DATA COLLECTION PROJECT PAPER

1911 CENSUS DATA COLLECTION PAPER: ECONOMICS 4230/5411

A 1911 Census data collection paper is designed to collect and analyze a limited micro-data set taken from the 1911 Census of Canada. After selecting a location in consultation with your instructor, your first task will be to collect information on 200-250 individuals. Data is available at 1911 Census of Canada - Automated Genealogy Index: http://automatedgenealogy.com/census11/index.jsp. Please consult with your instructor to obtain a location to sample from. It is recommended you input the data in an Excel spreadsheet. It is recommended that you sample by households and take down information for the household head. These will be predominately male. For each of these household heads, take down:

1. Name
2. Gender
3. Marital Status
4. Age at Last Birthday
5. Name of Spouse
6. Age of spouse at last birthday
7. Country or place of birth
8. Year of immigration to Canada
9. Religion
10. Occupation
11. Number of Children
12. Total Earnings from Occupation
13. Life Insurance Held

This data will then need to be coded and infiled into a Stata program (or other program if you wish) for analysis. Suggested variable coding is as follows:

NUM Assign a number order code to your individuals.

GENDER 1 if male, 0 otherwise

MARITAL 1 Married
2 Widow
3 Widower
4 Single
5 Divorced/Separated

AGE Age in years

BIRTHPLACE
1 England and Wales
2 Ireland
3 Scotland
YEARIMM  Year immigrated to Canada, 0 if not an immigrant.

RELIGION
1. Church of England
2. Roman Catholic
3. Presbyterian
4. Baptist
5. Methodist
6. Mennonite
7. Lutheran
8. Other

OCCUPATION
1. Agriculture & Farming (eg. Farmer, gardener)
2. Building & Construction Trades (eg. Carpenter, bricklayer)
3. Domestic and Personal Service (eg. Barber, maid)
4. Civil and Municipal Government
5. Fishing and Hunting
6. Forestry
7. Manufacturing I & II (eg. Moulder, ironman, car maker, tinsmith, baker)
8. Mining
9. Professional (eg. Teacher, lawyer, doctor)
10. Trade and Merchandising and Finance
11. Transportation and Communication and Utilities
12. General Labourer
13. Gentleman and Retired
14. No Occupation

CHILDREN  Number of children.

EARNINGS  Sum of columns 27 & 28 – earnings from occupation and extra earnings.
LIFE INSURANCE

Value of Life Insurance ($)
Value of Accident Insurance ($)
Annual cost of Insurance ($)

Once your data has been coded and inputted, you can generate variables for analysis. You should provide summary statistics for the variables. You should then analyze the data for some specific relationships. For example: Do earnings vary by occupational group or country of birth or religion? What does the age-earnings profile look like? Run a regression of earnings on the variables that you have. What are the most important determinants of earnings? Run another regression on the number of children? What variables are the most important determinant of family size. Describe insurance holding and how it varies with age, income and family size.

WRITE UP YOUR RESULTS

1. Introduction
   a. Describe the city or region you are analyzing. Provide some historical context.
   b. Summarize your findings
2. Description of Data
   a. Describe the data source and how you collected it
   b. Describe your key variables
   c. Provide some summary statistics and discussion
3. Regressions & Results
   a. Provide the regression models and interpret your results.
4. Conclusion
   a. Summarize what you learned

LOCATIONS TO SAMPLE FROM

1. Fort William Enumeration Districts 20-25
2. Port Arthur Enumeration Districts 30-35
3. Toronto Centre Enumeration Districts 1-10
4. Hamilton East Enumeration Districts 1-10
5. Hamilton West Enumeration Districts 1-10
6. London Enumeration Districts 1-10
7. Kingston Enumeration Districts 1-14
8. Waterloo North (Berlin) Enumeration Districts 20-30
9. Waterloo South (Cambridge) Enumeration Districts 14-24
10. Wellington South (Guelph) Enumeration Districts 29-47