



LAKEHEAD UNIVERSITY
DEPARTMENT OF ECONOMICS

Winter 2020

ECONOMICS 4230/5411
CLIOMETRIC ANALYSIS

TOPICS IN QUANTITATIVE ECONOMIC HISTORY

L. DI MATTEO

Tuesdays, Thursdays, 2:30-4:00

RC-3014

807-343-8545

Livio.DiMatteo@Lakeheadu.ca

Office Hours: Mondays & Wednesdays, 12:00-1:00

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% (February 11th and March 19th)
Project: 30% (Due Date: March 26th, 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
<http://www.beta-umr7522.fr/?lang=fr>

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>

Inter-University Consortium for Political and Social Research, University of Michigan, United States

<http://www.icpsr.umich.edu/>

Integrated Public Use Micro Data Sample (IPUMS) <https://www.ipums.org/>

Canadian Network for Economic History, <http://www.economichistory.ca>

Canadian Century Research Infrastructure <http://www.ccri.uottawa.ca/CCRI/Home.html>

Economic History Services, <http://www.eh.net>

Historical Data Research Unit, University of Guelph <http://hdru.ca/about/>

London School of Economics, Department of Economic History
<http://www.lse.ac.uk/economicHistory/home.aspx>

The Cliometric Society <http://cliometrics.org/about.htm>

The Jordà-Schularick-Taylor Macrohistory Database. <http://www.macrohistory.net/data/>

Lunds Universitet (Lund University), Lund, Ekonomihögskolan (School of Economics and Management),
Ekonomisk-historiska Institutionen (Department of Economic History)
<https://www.ekh.lu.se/>

Stockholms Universitet (Stockholm University), Stockholm, Ekonomisk-Historika Institutionen (Department of
Economic History) <http://www.ekohist.su.se/>

Uppsala Universitet (University of Uppsala), Uppsala, Ekonomisk-Historika Institutionen (Department of
Economic History) <http://www.ekhist.uu.se/>

UCLA Center for Economic History. <http://www.economichistory.ucla.edu/>

Some Academic Journals

Social Science History

Journal of Economic History

Explorations in Economic History

Economic History Review

Cliometrica

Historical Methods: A Journal of Quantitative and Interdisciplinary 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 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 150-200 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.

David, Paul A. (1987) "Understanding the Economics of QWERTY: the Necessity of History," in *Economic History and the Modern Economist*, ed. W.N. Parker (New York: Basil Blackwell) 30-49.

Di Matteo, Livio. "The Use of Quantitative Micro-data in Canadian Economic History: A Brief Survey". *EH.Net Encyclopedia*, edited by Robert Whaples. January 28, 2007. URL <http://eh.net/encyclopedia/article/dimatteo.canada>

Fogel, Robert William (1971/1966) "The New Economic History: Its Findings and Methods," *The Reinterpretation of American Economic History*, eds. R.W. Fogel and S.L. Engerman (New York: Harper and Row) 1-16.

Greif, A. (1997) "Cliometrics After 40 Years," *American Economics Association, Papers and Proceedings*, May 1997, 400-403.

Hamilton, Gillian C., Ian Keay and Frank D. Lewis (2017). "Contributions to Canadian economic history: The last 30 years," *Canadian Journal of Economics*, 50, 5, 1632-1657.

Inwood, Kris (1994) "The Promise and Problems of Quantitative Evidence in Canadian History," *Historie Sociale-Social History*, XXVII, No. 53, 139-146.

Keay, Ian and Frank D. Lewis (2019) *Cliometrics and the Study of Canadian Economic History*. Chapter 14. *Handbook of Cliometrics*, Springer Verlag.

Lyons, J. L. Cain & S. Williamson (2009) *Cliometrics*. <http://eh.net/encyclopedia/cliometrics/>

Ryden, D.B. (2011) "Perhaps We Can Talk: Discussant Comments for 'Taking Stock and Moving Ahead: The Past, Present and Future of Economics for History,'" *Social Science History*, 35, 2, 209-212.

Steckel, Richard (2007) "Big Social Science History" *Social Science History*, 31,1, 34.

MODULE 2

Issues in the Design and Implementation of a Data Collection Project. Documenting data collection projects, record linkage, data sources. Example: Canadian Century Research Project, Wentworth County Wealth Project and the Ontario 1892 and 1901 Wealth Projects. Some data analysis techniques.

Atack, Jeremy, Fred Bateman and Mary Eschelbach Gregson (1992) "Matchmaker, Matchmaker, Make Me a Match," *Historical Methods*, Spring 1992, 25, 2, 53-65.

Bellavance, C. and F. Normand (2007) "Census in context: Documenting and Understanding the Making of Early-Twentieth Century Canadian Censuses," *Historical Methods*, 40,2, 92-103.

Cleveland, W.S. (1979) "Robust Locally Weighted Regression and Smoothing Scatterplots." *Journal of the American Statistical Association*, 74, 829-836.

Conley, T.G. and D.W. Galenson (1994) "Quantile Regression Analysis of Censored Wealth Data," *Historical Methods*, 27, 4, 149-165.

Darroch, Gordon (1994) "The Relevance of Social Science Standards of Data Base Availability for Social History," *Histoire Sociale-Social History*, XXVII, 53, 147-156.

Gaffield, C. (2007) "Conceptualizing and Constructing the Canadian Century Research Infrastructure," *Historical Methods*, 40,2,54-64.

Greenstein, Daniel I. (1994) "Chapter 3: Historical Data and Databases," *A Historian's Guide to Computing* (Oxford: Oxford University Press).

Lambert, P.S, R.L. Zijdemann, M.H.D. Van Leeuwen, I. Maas & K. Prandy (2013) . "The Construction of HISCAM: A Stratification Scale Based on Social Interactions for Historical Comparative Research," *Historical Methods*, 46:2, 77-89.

Ronsijn, W. (2014) "Microdata on the Belgian Population for 1961-2001," *Historical Methods*, 47(1), 45-55.

Sobek, A., L. Cleveland, S. Flood, P.K. Hall, M.L. King, S. Ruggles and M. Schroeder (2011)" Big Data: Large Scale Historical Infrastructure from the Minnesota Population Center", *Historical Methods*, January, 44(2), 61-68.

Winchester, Ian (1992) "What Every Historian Needs to Know About Record Linkage for the Microcomputer Era," *Historical Methods*, Fall 1992, Vol. 25, 4, 149-165.

Wisselgran, M.J., S. Edvinsson, M. Berggren, M. Larsson (2014) "Testing Methods of Record Linkage on Swedish Censuses," *Historical Methods*, 47, 3, 138-151.

MODULE 3

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

Di Matteo, L. (2014) "Natural Resource Exports and Development in Settler Economies during the First Great Globalization Era: Northwestern Ontario and South Australia, 1905-1915 – co-authored with J.C. Herbert Emery and Martin P. Shanahan, in *Smart Globalization: The Canadian Business and Economic History Experience*, eds. A. Smith and D. Anastakis, University of Toronto Press.

Di Matteo, L. (2006) "Wealth and Inequality on Ontario's Northwestern Frontier: Evidence from Probate," *Histoire sociale-Social History*, XXXVIII:75,79-104.

Di Matteo, L. (2004) "Boom and Bust, 1885-1920: Regional wealth evidence from probate records" *Australian Economic History Review*, 44(1), 52-78.

Di Matteo, L. (1999) "Fiscal Imbalance and Economic Development in Canadian History: Evidence from the Economic History of Ontario," *American Review of Canadian Studies* , Vol. 29, No. 2, 287-327.

Di Matteo, L. (1993) "Booming Sector Models, Economic Base Analysis and Export-Led Economic Development: Regional Evidence from the Lakehead," *Social Science History*, 17, 4, 593-617.

Di Matteo, L. (1992) "Evidence on Lakehead Economic Activity from the Fort William Building Permits Registers, 1907-1969," *Thunder Bay Historical Museum Society, Papers and Records*, XX, 37-49.

Di Matteo, L. (1991) "The Economic Development of the Lakehead During the Wheat Boom Era: 1900-1914," *Ontario History*, December, 297-316.

MODULE 4

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

Green, A.G. and G.R. Sparks (1999) "Population growth and the dynamics of Canadian development: a multivariate time series approach," *Explorations in Economic History*, 36, 56-71.

Green, A.G. and M.C. Urquhart (1987) "New Estimates of Output Growth in Canada: Measurement and Interpretation," eds. D. McCalla and M. Huberman, *Perspectives on Canadian Economic History*, 2nd edition (Copp Clark Longman).

Maddison, A. (2005) "Measuring and Interpreting World Economic Performance 1500-2001," *Review of Income and Wealth*, 51, 1, 1-35.

Urquhart, M.C. (1986) "New Estimates of Gross National Product, Canada, 1870-1926: Some Implications for Canadian Development," In S.L. Engerman and R.E. Gallman, eds., *NBER Studies in Income and Wealth*, vol. 51, Long-Term Factors in American Economic Growth, Chicago: University of Chicago Press, 1986, 9-94.

Inwood, Kris and T. Stengos (1995) "Segmented Trend Models of Canadian Economic Growth Rejoinder," *Explorations in Economic History*, 32, 253-261.

Inwood, Kris and T. Stengos (1991) "Discontinuities in Canadian Economic Growth, 1870-1985," *Explorations in Economic History*, 28, 274-86.

Altman, Morris (1987) "A Revision of Canadian Economic Growth, 1870-1910," *Canadian Journal of Economics*, XX, 86-113.

Altman, Morris (1992) "Revised Real Canadian GNP Estimates and Canadian Economic Growth, 1870-1926," *Review of Income and Wealth*, Series 38, 4, 455-473.

MODULE 5

Nutrition, Health Status and Economic Welfare

Cuff, T. (2010) "Historical Anthropometrics," *Eh.Net*. <http://eh.net/encyclopedia/article/cuff.anthropometrics>

Cummin, N. (2017) "Lifespans of the European Elite, 800-1800," *The Journal of Economic History*, June 2017. DOI: <https://doi.org/10.1017/S0022050717000468>

Cutler and Miller (2005) "The role of Public Health Improvements in Health Advances: The 20th Century U.S." *Demography*, 42, 1, 1-22.

Czerniawski, A.M. (2007) "From Average to Ideal: The Evolution of the Height and Weight Table in the United States, 1836-1943," *Social Science History*, 31,2, 273-296.

Fogel, R.W. (1994) "Economic Growth, Population Theory, and Physiology: The Bearing of Long-Term Processes on the Making of Economic Policy," *American Economic Review*, 84, 3, 369-395.

Haines, M.R. (2004) "Can Economic Development be Hazardous to your Health?" *Social Science History*, 28, 2, 249-70.

Matossian, Mary Kilbourne (1989) *Poisons of the Past: Molds, Epidemics and History* (New Haven: Yale University Press).

Murray, J. (1997) "Standards of the Present for People of the Past: Height, Weight, and Mortality among Men of Amherst College, 1834-1949," *Journal of Economic History*, 57, 3, 585-606.

Steckel, Richard (2004) "The Remarkably Tall Stature of Northern European Men During the Medieval Era," *Social Science History*, 28, 2,

Steckel, R. (2009) "Heights and human welfare: Recent developments and new directions," *Explorations in Economic History*, 46, 1, 1-23.

Steckel, R. (2019) "Anthropometrics," Chapter 4. *Handbook of Cliometrics*. Springer-Verlag

Villarreal, C., B. Bettenhausen, E. Hanss & J. Hersh (2014) "Historical Health Conditions in Major U.S. cities," *Historical Methods*, 47, 2, 67-80.

MODULE 6

Fertility, Demography, Vital Statistics

Cummins, N. (2013) "Marital Fertility and wealth during the fertility transition: rural France, 1750-1850," *Economic History Review*, 66, 2, 449-476.

Emery, G. (1990) "Incomplete Registration of Births in Civil Systems: The Example of Ontario, Canada, 1900-1960," *Historical Methods*, 23, 1, 5-21.

Emery, G. (1983) "Ontario's Civil Registration of Vital Statistics, 1869-1926: The Evolution of An Administrative System," *Canadian Historical Review*, 64, 468-493.

Haan, M.D. (2006) "Studying the Impact of Religion on Fertility in Nineteenth Century Canada: The Use of Direct Measures and Proxy Variables" *Social Science History*, 29,3,373-411.

Haines, Michael. "Fertility and Mortality in the United States". *EH.Net Encyclopedia*, edited by Robert Whaples. January 22, 2005. URL <http://eh.net/encyclopedia/article/haines.demography>

Landry, Yves (1993) "Fertility in France and New France: The Distinguishing Characteristics of Canadian Behaviour in the Seventeenth and 18th Centuries," *Social Science History*, 17, 4, 577-592.

Marr, William (1992) "Micro and Macro Land Availability as a Determinant of Human fertility in rural Canada West, 1851," *Social Science History*, 16, 583-90.

McInnis, Marvin (1991) "Women, work and childbearing: Ontario in the Second Half of the 19th Century, *Historic Sociale-social history*, 24, 48, 237-62.

Wanamaker, M.H. (2012) "Industrialization and Fertility in the Nineteenth Century: Evidence from South Carolina," *Journal of Economic History*, 72, 1, 168-196.

MODULE 7

Wealth, Property and Inequality in 19th Century Canada

Alfani, G. (2019) "Wealth and Income Inequality in the Long Run of History," C. Diebolt and M. Hauptert, eds. *Handbook of Cliometrics*, Springer-Nature.

Darroch, Gordon & Lee Soltow (1994) *Property and Inequality in Victorian Ontario: Structural Patterns and Cultural Communities in the 1871 Census* (Toronto: University of Toronto Press).

Di Matteo, I. (2018) *The Evolution and Determinants of Wealth Inequality in the North Atlantic Anglosphere, 1668-2013*. Palgrave Mcmillan.

Di Matteo, L. (2017) "Does Egalitarianism Come at a Price? Inequality and Economic Performance in Late Nineteenth Century Ontario," *Social Science History*, Winter.

Di Matteo, L. (2016) "Wealth Distribution and the Canadian Middle Class: Historical Evidence and Policy Implications," *Canadian Public Policy*, June.

Di Matteo, L. (2016) "All equal in the sight of God: economic inequality and religion in the early twentieth century," *European Review of Economic History*, 20, 1, 23-45, (41)

Di Matteo, L. (2012) "Land and Inequality in Canada, 1870-1930," *Scandinavian Economic History Review*, 60,3, 309-334.

Di Matteo, L. (2001) "Patterns of Inequality in Late 19th Century Ontario: Evidence from Census Linked Probate Data," *Social Science History*, 25, 3, 347-380.

Di Matteo, Livio and Peter J. George (1992) "Canadian Wealth Inequality in the Late 19th Century: A Study of Wentworth County, Ontario, 1872-1902," *Canadian Historical Review*, LXIII, 4, 453-483.

Gwyn, J. and F. Siddiq (1992) "Wealth Distribution in Nova Scotia during the Confederation Era, 1851 and 1871," *Canadian Historical Review*, LXXIII, 4, 435-452.

Milanovic, B. (2011) "A short history of global inequality: the past two centuries," *Explorations in Economic History*, 48, 494-506.

MODULE 8

Wealth Determinants and Accumulation in the 19th Century

Canaday, N. (2008) "The accumulation of property of southern blacks and whites: individual-level evidence from a South Carolina cotton county, 1910-1919," *Explorations in Economic History*, 45, 1, 51-15.

Galenson, D.W. (1991) "Economic Opportunity on the Urban Frontier: Nativity, Work and Wealth in Early Chicago." *Journal of Economic History*, 51, 581-603.

Fourie, J. (2013) "The remarkable wealth of the Dutch Cape Colony: measurements from eighteenth-century probate inventories," *Economic History Review*, 66, 2, 419-448.

Gregson, M.E. (1996) "Wealth Accumulation and Distribution in the Midwest in the Late Nineteenth Century," *Explorations in Economic History*, 33, 524-538.

Di Matteo, L. (2008) "Wealth accumulation motives: evidence from the probate records of Ontario, 1892 and 1902," *Cliometrica*, 2, 143-171.

Di Matteo, L. (2007) "The Effect of Religious Denomination on Wealth: Who Were the Truly Blessed?" *Social Science History*, 31,3, 299-341. (32)

Di Matteo, L. and H. Emery (2002) "Wealth and the Demand for Life Insurance: evidence from Ontario 1892," *Explorations in Economic History*, 39, 4, 446-469.

Di Matteo, L. (1998) "The Determinants of Wealth and Asset Holding in Nineteenth Century Canada: Evidence from Micro-data," *Journal of Economic History*.

Di Matteo, L. (1996) "The Wealth of the Irish in Nineteenth Century Ontario," *Social Science History*, 20, 2, 209-234.

Stewart, N. (2009) "Economic opportunity or Hardship? The Causes of Geographic Mobility on the Agricultural Frontier, 1860-1880," *Journal of Economic History*, 69, 1, 238-268.

MODULE 9

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

Inwood, K. and S. Van Sligtenhorst (2004) "The social consequences of legal reform: women and property in a Canadian Community" *Continuity and Change*, 19,1, 165-197.

Di Matteo, L. (2013) "Women, wealth and economic change: An assessment of the impact of women's property law in Wentworth County, Ontario, 1872-1927," *Explorations in Economic History*, April 201.

Di Matteo, L. (2011) "Wealth and Gender in Ontario: 1870-1930," in *Men, Women & Money*, eds. D.R. Green, A. Owens, J. Maltby & J. Rutterford, Oxford University Press, 125-155.

Baskerville, P. (2008) *A Silent Revolution? Gender and Wealth in English Canada 1860-1930*. (Montreal: McGill-Queen's University Press).

Baskerville, P. (1999) "Women and investment in late nineteenth century Canada: Victoria and Hamilton, 1880-1901," *Canadian Historical Review*, 80, 2, 191-218.

Rutterford, J., D.R. Green, J. Maltby & A. Owens (2011) "Who comprised the nation of shareholders? Gender and investment in Great Britain, c. 1870-1935," *Economic History Review*, 64, 1, 157-187.

MODULE 10

A Quantitative Economic Perspective on the Building of the CPR

Emery, J.C.H. and K.J. McKenzie (1996) "Damned if you do, damned if you don't: an option value approach to evaluating the subsidy of the CPR mainline" *Canadian Journal of Economics*, Vol. 29 (2), 255-270.

George, P.J. (1968) "Rates of return in Railway Investment and Implications for Government Subsidization of the Canadian Pacific Railway: Some Preliminary Results," *Canadian Journal of Economics*, Vol. 1(4), 740-762.

George, P.J. (1975) "Rates of return and Government subsidization of the Canadian Pacific Railway: some further comments," *Canadian Journal of Economics*, Vol. 8, 591-600.

Glazebrook, G.P. de T. (1968/1938) *A History of Transportation in Canada*. New York: Greenwood Press.

Innis, H.A. (1971/1923) *A History of the Canadian Pacific Railway*. Toronto: University of Toronto Press.

Mercer, L. (1973) "Rates of return and government subsidization of the Canadian Pacific Railway: an alternate view," *Canadian Journal of Economics*, 6, 428-437.

MODULE 11

The Curse of Natural Resources & Other Disasters

Altman, M. (2003) "Staple Theory and Export-Led Growth: Constructing Differential Growth" *Australian Economic History Review*, 43,3,230-255.

Di Matteo, L., J.C.H.Emery and M.P. Shanahan (2014) "Natural Resource Exports, and Development in Settler Economies during the first Great Globalization Era: Northwestern Ontario and South Australia 1905-1915" in *Smart Globalization, The Canadian Business and Economic History Experience*, eds. A. Smith & D. Anastakis, Toronto: University of Toronto Press.

Keay, I. (2007) "The Engine or the Caboose? Resource Industries and Twentieth Century Canadian Economic Performance", *The Journal of Economic History*, 67, 1, 1-32.

Pereira, A. (2009) "The opportunity of a disaster: The Economic Impact of the 1755 Lisbon Earthquake," 69, 2, 466-499.

Schedvin, C.B. (1990) "Staples and Regions of Pax Britannica," *The Economic History Review*, 43, 4, 533-559.

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 150-200 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

- 4 U.S.A.
- 5 NFLD & Maritimes
- 6 Quebec
- 7 Ont
- 8 Other

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? How does the value of life insurance relate to earnings or occupation or number of children?

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
11. Sault Ste. Marie Enumeration Districts 26-34
12. Toronto East Enumeration Districts 1-10
13. Peterborough Enumeration districts 17-30
14. St. Catharines Enumeration Districts 36 47
15. Halifax (Nova Scotia) Enumeration Districts 42-62
16. Halifax (Nova Scotia) Enumeration Districts 63-90
17. Vancouver City (BC) Enumeration Districts 1-20
18. Vancouver City (BC) Enumeration Districts 21-41