NEW ESTIMATES OF INTERNATIONAL MIGRATON FOR CANADA

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PRESENTATION TOPICS

- BACKGROUND

- ESTIMATING INTERNATIONAL MIGRATION FOR 1671-2006. MOST TIME WILL BE DEVOTED TO THE 1811-2006 PERIOD.

- CONCLUDING REMARKS

CLASSIC APPROACH FOR ESTIMATING INTERNATIONAL MIGRATION

- Estimate fertility and mortality: calculate net immigration from difference between population change and natural increase

- Estimates can be made by age and sex

- Makes strong assumptions about the accuracy of the population counts as well fertility and mortality

- Unless other data are available, estimates are for net immigration (not immigration and emigration)
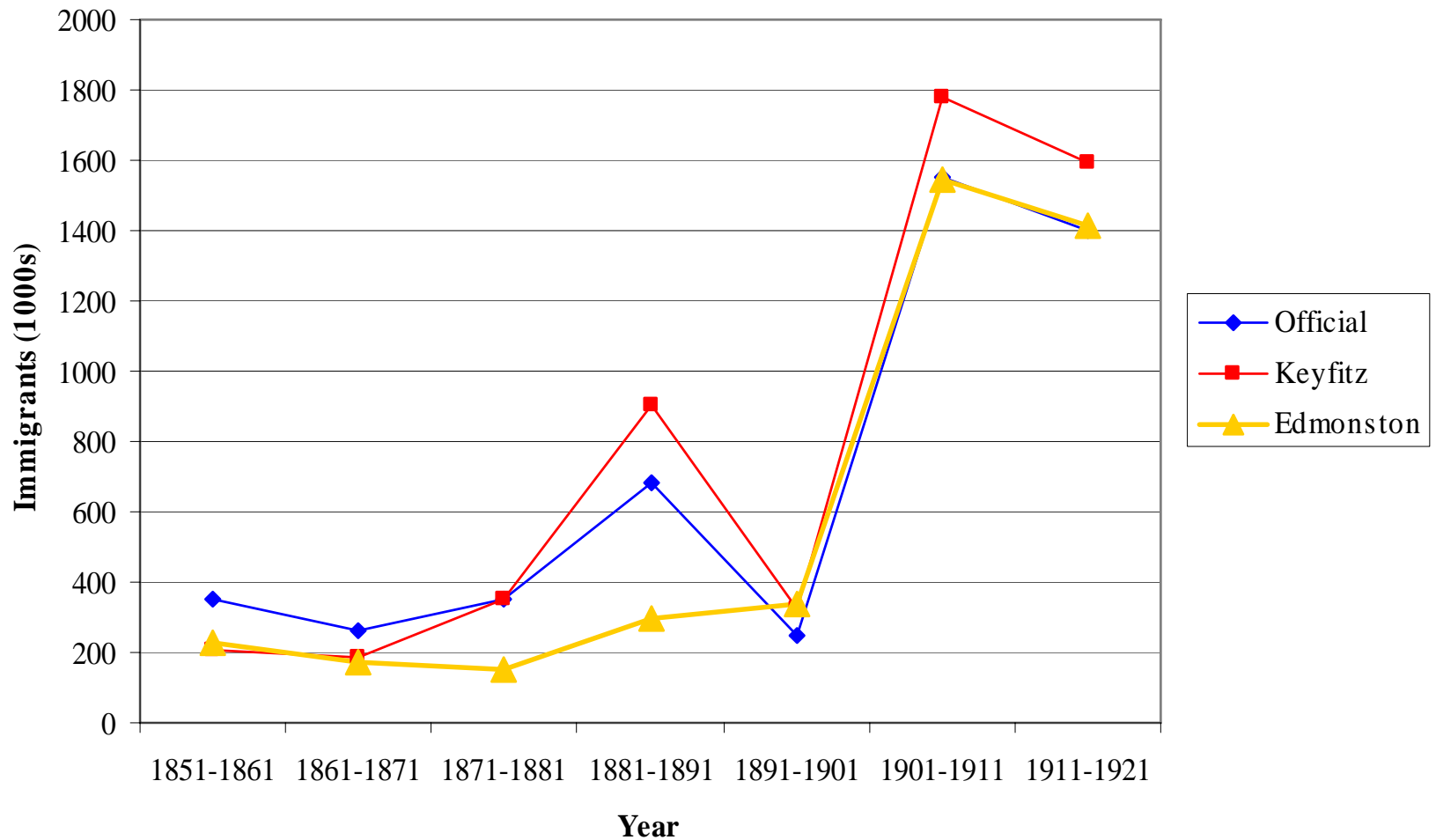
NEW INTERNATIONAL MIGRATION ESTIMATES

- 1. "OFFICIAL" HISTORICAL ESTIMATES HAVE WELL-KNOWN PROBLEMS. MCINNIS HAS MADE NEW ESTIMATES FOR LATE 1800S

- 2. USE CONSISTENT CENSUS CORRECTION METHODS

- 3. MAKE USE OF NATIVITY DATA FOR ESTIMATES FOR IMMIGRANT GENERATION POPULATION PROJECTIONS

INTERNATIONAL MIGRATION FOR LATE 1800S

- SEVERAL PROBLEMS FOR OFFICIAL IMMIGRATION DATA FOR 1871-1901

- LARGE NUMBER OF IMMIGRANT ARRIVALS WHO WERE EN ROUTE TO USA

- SUBSTANTIAL MOVEMENT BETWEEN CANADA AND USA THAT WAS NOT RECORDED AT LAND BORDERS

COMPARIONS OF IMMIGRATION ESTIMATES

CONSISTENT CENSUS CORRECTION (CCC)

- ONE CHALLENGE IN ESTIMATING PERIOD EFFECTS OF IMMIGRATION ARE DATA LIMITATIONS

- NORMAN LUTHER'S (1987) CCC METHOD

  - With caution, can be used if reasonable birth, death, and census data are available

  - Provides adjusted net immigration estimates

CCC METHOD

- **BASED ON INTERCENSAL POPULATION CHANGE WITH:**
  - Demographic balancing equations
  - Estimates of preliminary correction factors
  - Estimates for correction weights

- **CCC OPTIMIZES DIMENSIONAL VECTOR SPACE OF BALANCING EQUATIONS**
  - Provides adjusted, consistent estimates for births, deaths, migration, and census age-sex distribution
  - Many possible solutions for balancing equations. CCC methods finds one consistent solution, given the initial correction factors and correction weights
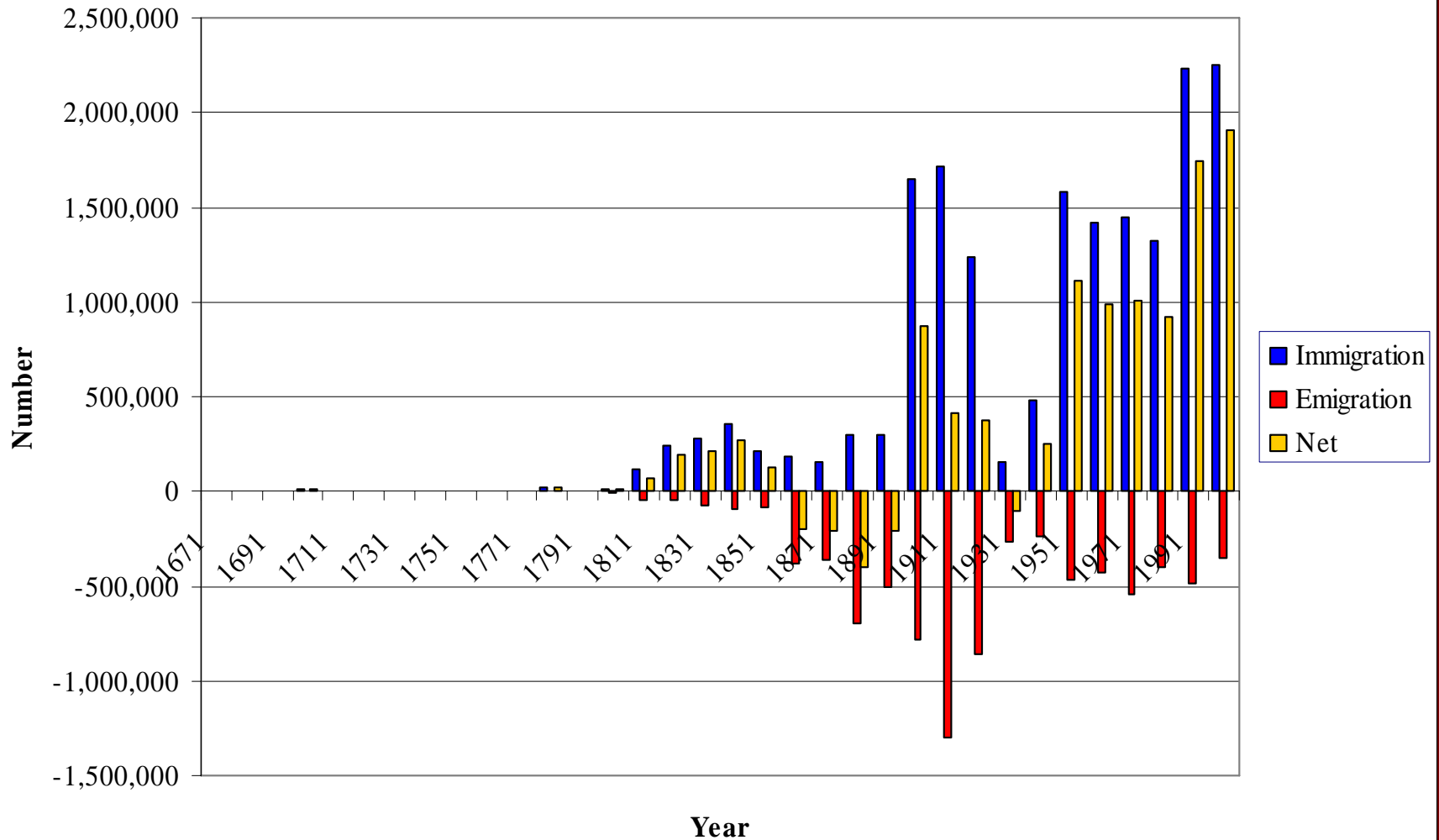
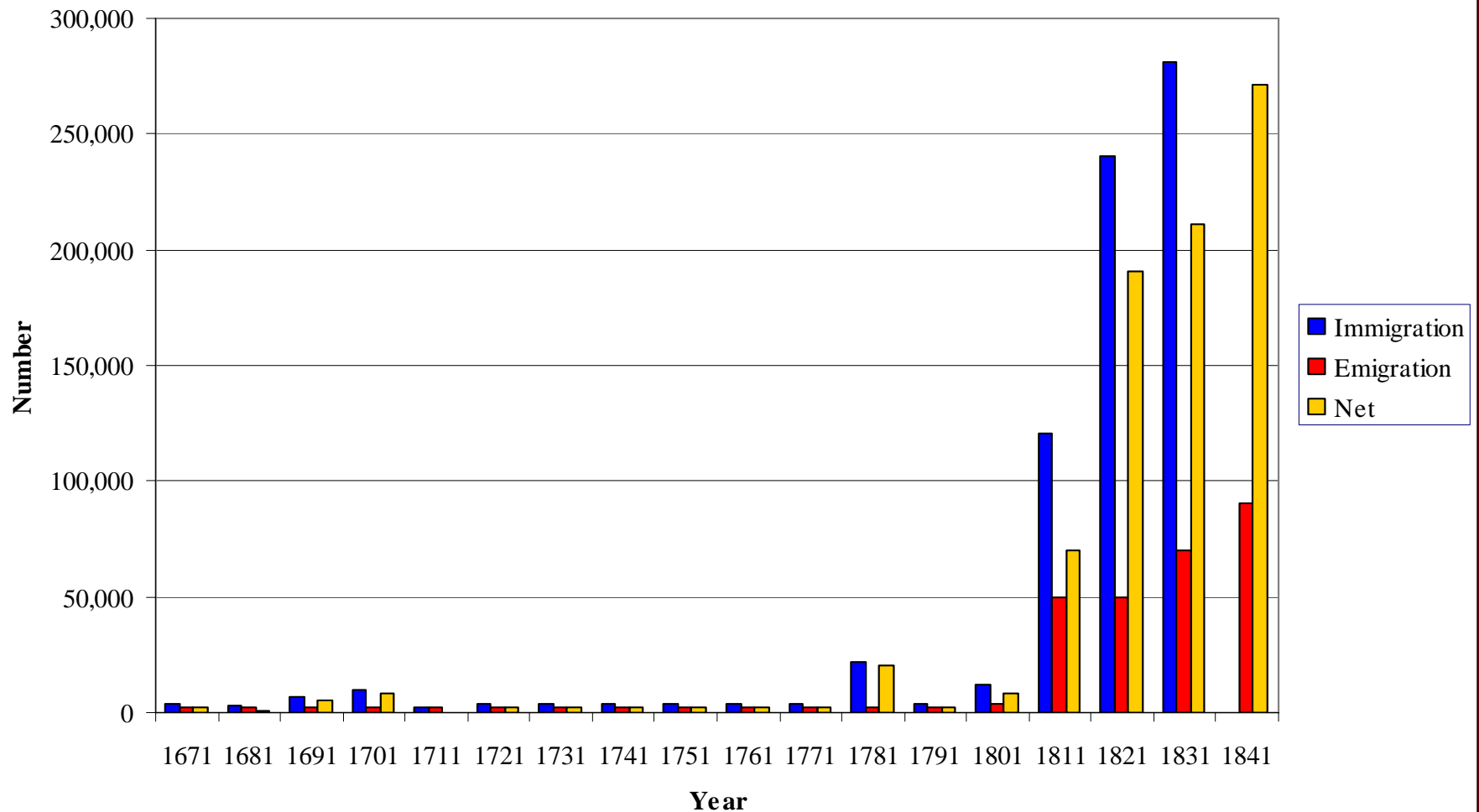# IMMIGRANT GENERATION POPULATION PROJECTIONS

- APPROACH PROPOSED BY EDMONSTON AND PASSEL IN EARLY 1990S
  - Example for U.S. Latino population from Lee and Edmonston (2006)

- CHARACTERIZE THE POPULATION BY AGE, SEX, AND IMMIGRANT GENERATION

  - 1st Generation: Immigrants

  - 2nd Generation: Sons and daughters of immigrants

  - 3rd+ Generations: Subsequent descendants

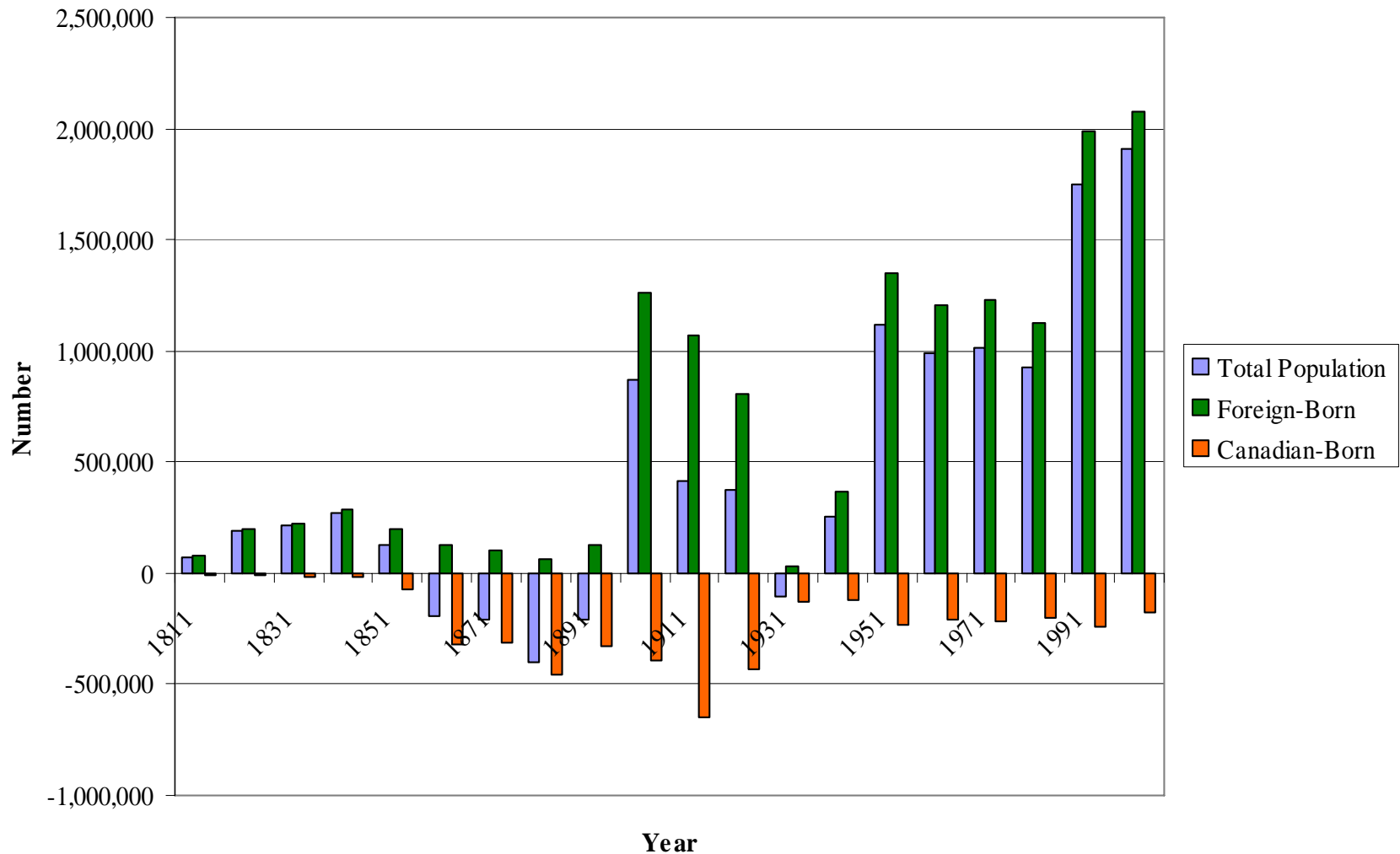# INTRODUCING NEW ESTIMATES FOR INTERNATIONAL MIGRATION
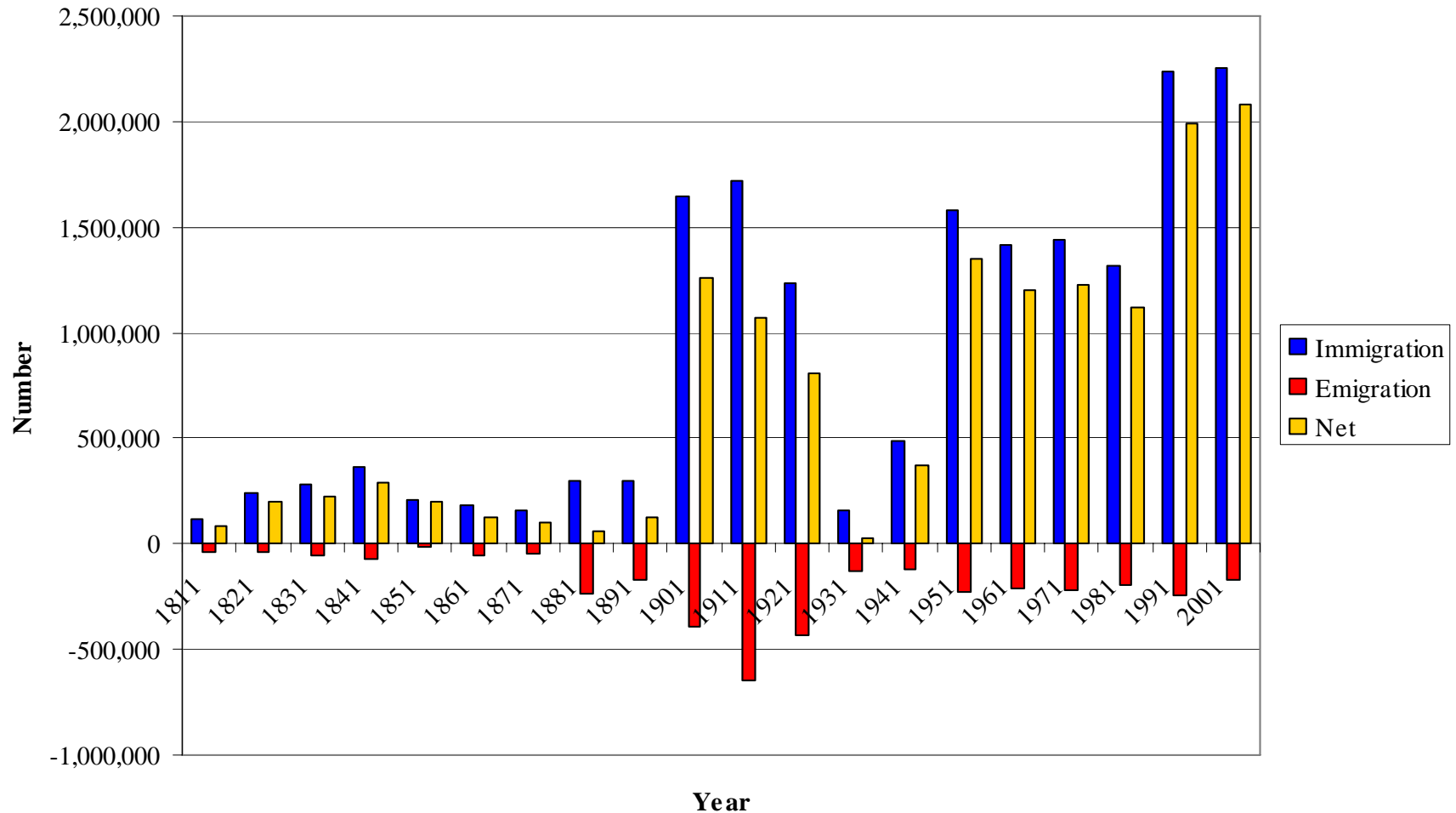
NEW ESTIMATES, 1671-2006

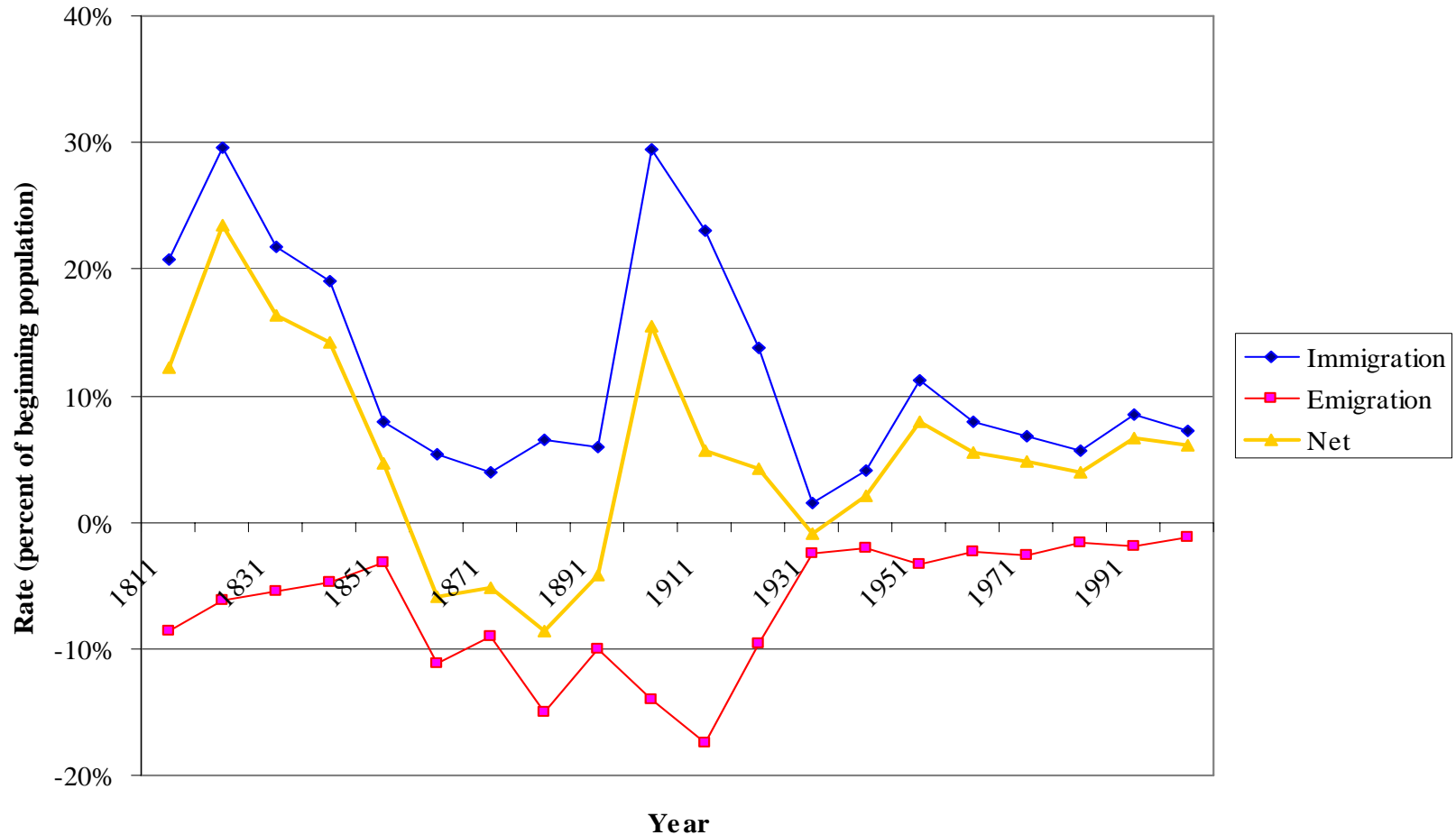# NEW ESTIMATES FOR EARLY COLONIAL PERIOD, 1671-1841

NET IMMIGRATION BY NATIVITY, 1811-2006

NEW ESTIMATES FOR FOREIGN-BORN RESIDENTS, 1811-2006

NEW ESTIMATES FOR RATES OF INTERNATIONAL MIGRATION, 1671-2006

CONCLUDING COMMENTS

- The main purpose of this paper is to present new estimates of international migration for Canada

- They demonstrate the useful of recent revised historical data and two methods to provide international migration estimates with nativity information

If there are questions:
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