

Barista or Better? The Earnings of Canadian Bachelor's Graduates: A Tax Linkage Approach

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Thanks to...

- Employment and Social Development Canada (ESDC)
- StatsCan
- Participating institutions

What We Do: Track Graduates' Post-Schooling Earnings Using Tax Data

- Year-by-year after graduation
- Cohort-by-cohort
- By field of study

A New, Unique, and Powerful Approach

- Totally new perspective of graduates' outcomes
- Using accurate & timely tax-based income data
- Emerging practice at international level
- Potential to build/use further – this is just a start

Motivation: New and Powerful LLMI

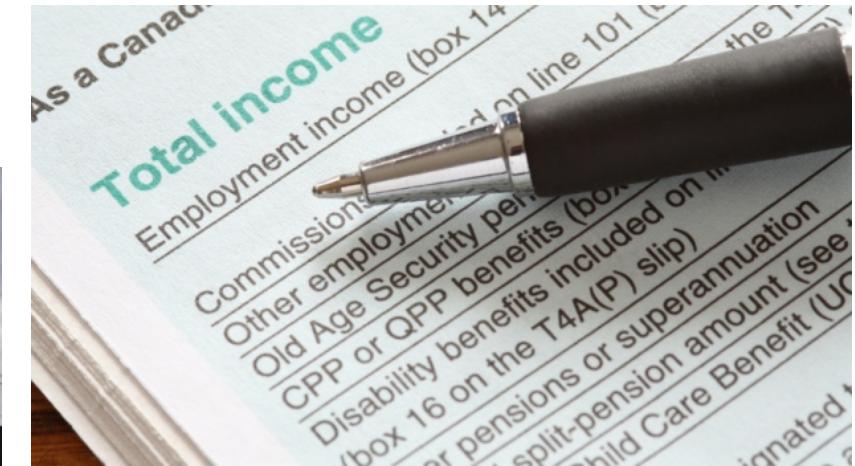


- PSE Institutions
- Policy Makers
- Employers
- General public

Informing Student Choices

Data

Graduates 2005-2012



Linked to tax data

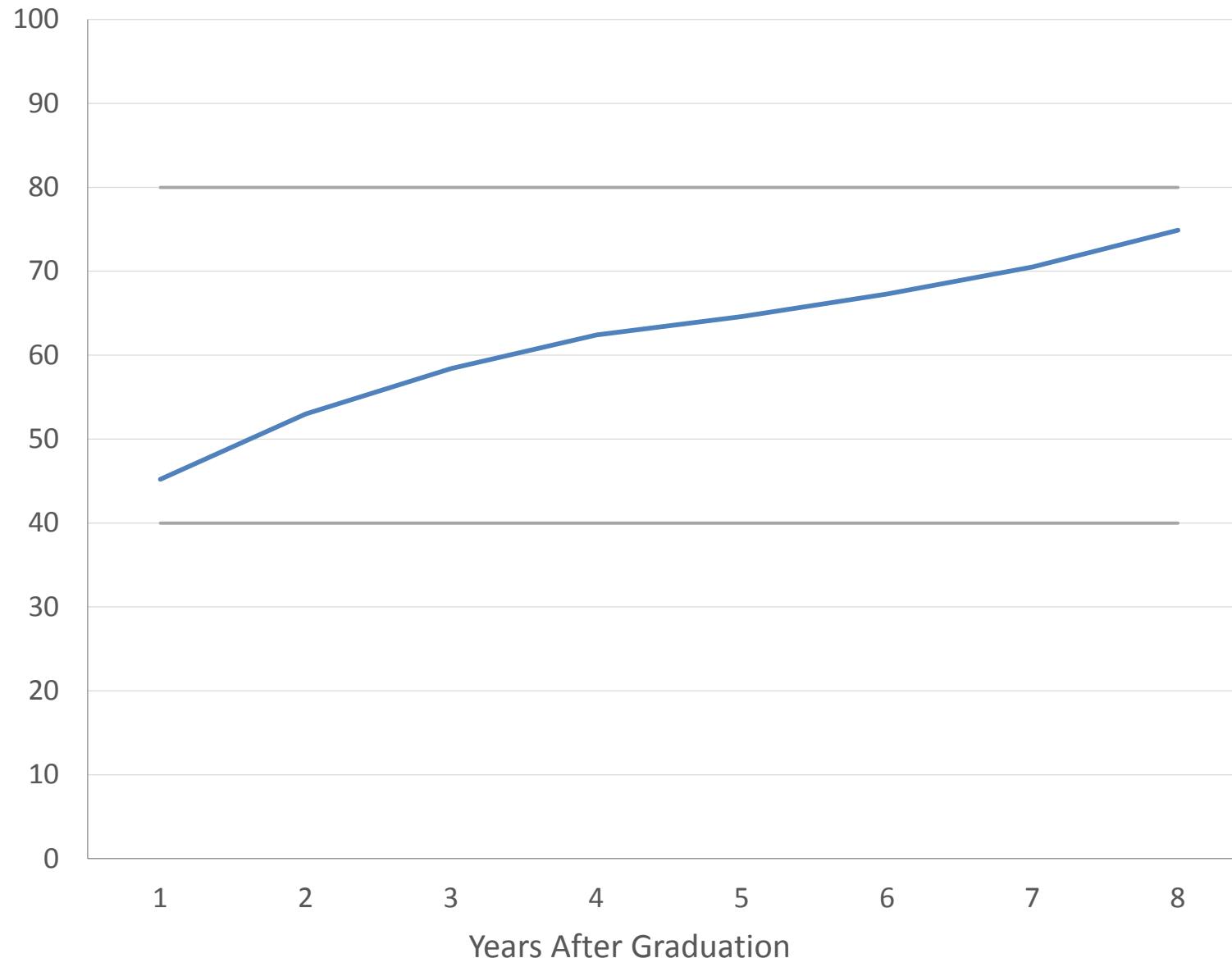
97% linkage rate

Samples and Earnings Measure

- 14 PSE institutions across 4 regions
- Annual earnings through to 2013 (reported in \$2014)
- Dropped if/where indication of further PSE
- Also exclude if earnings < \$1k (c. 3-3.5% overall)

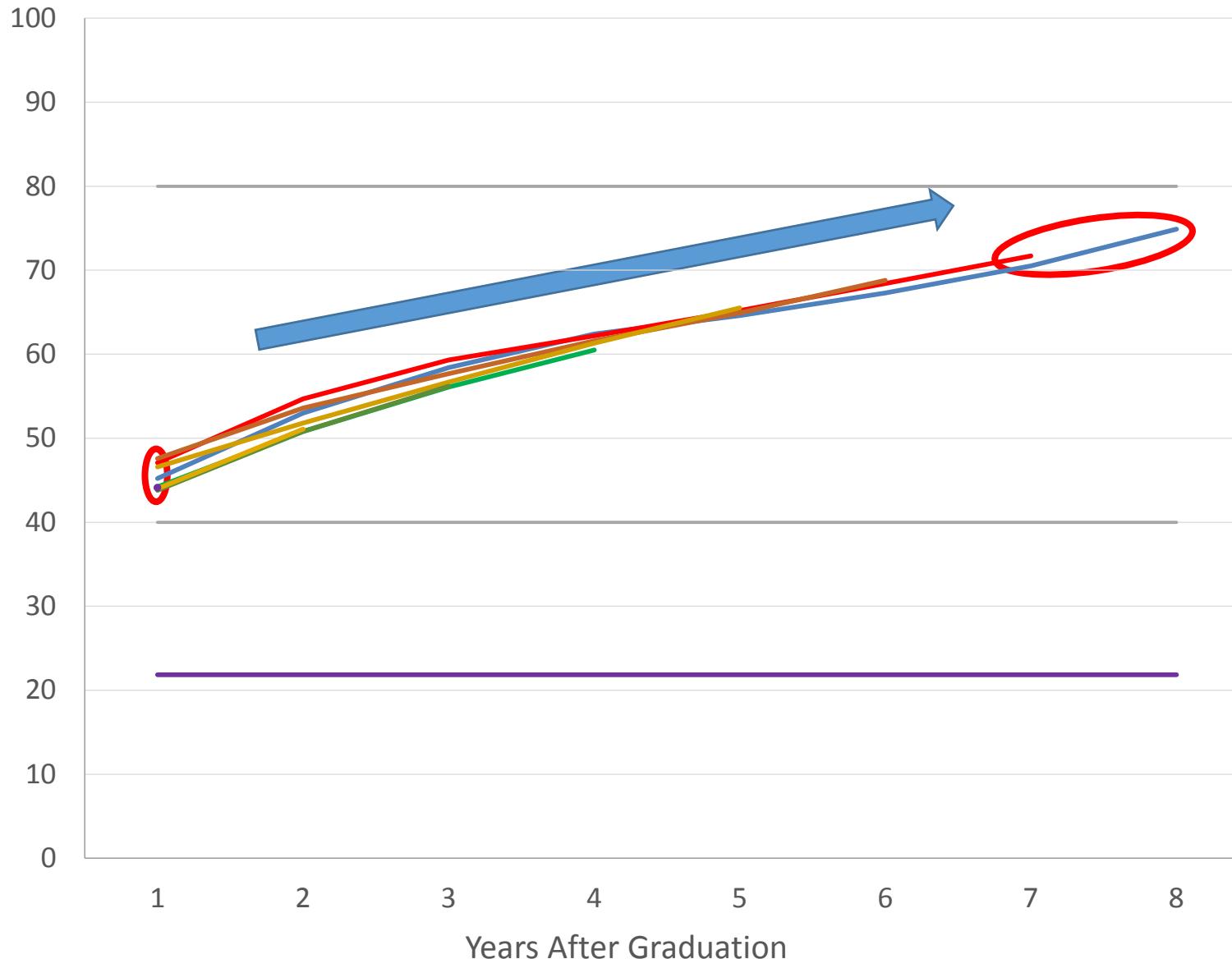
Start with 2005 (Earliest) Cohort

Mean Earnings of All Graduates (\$2014)



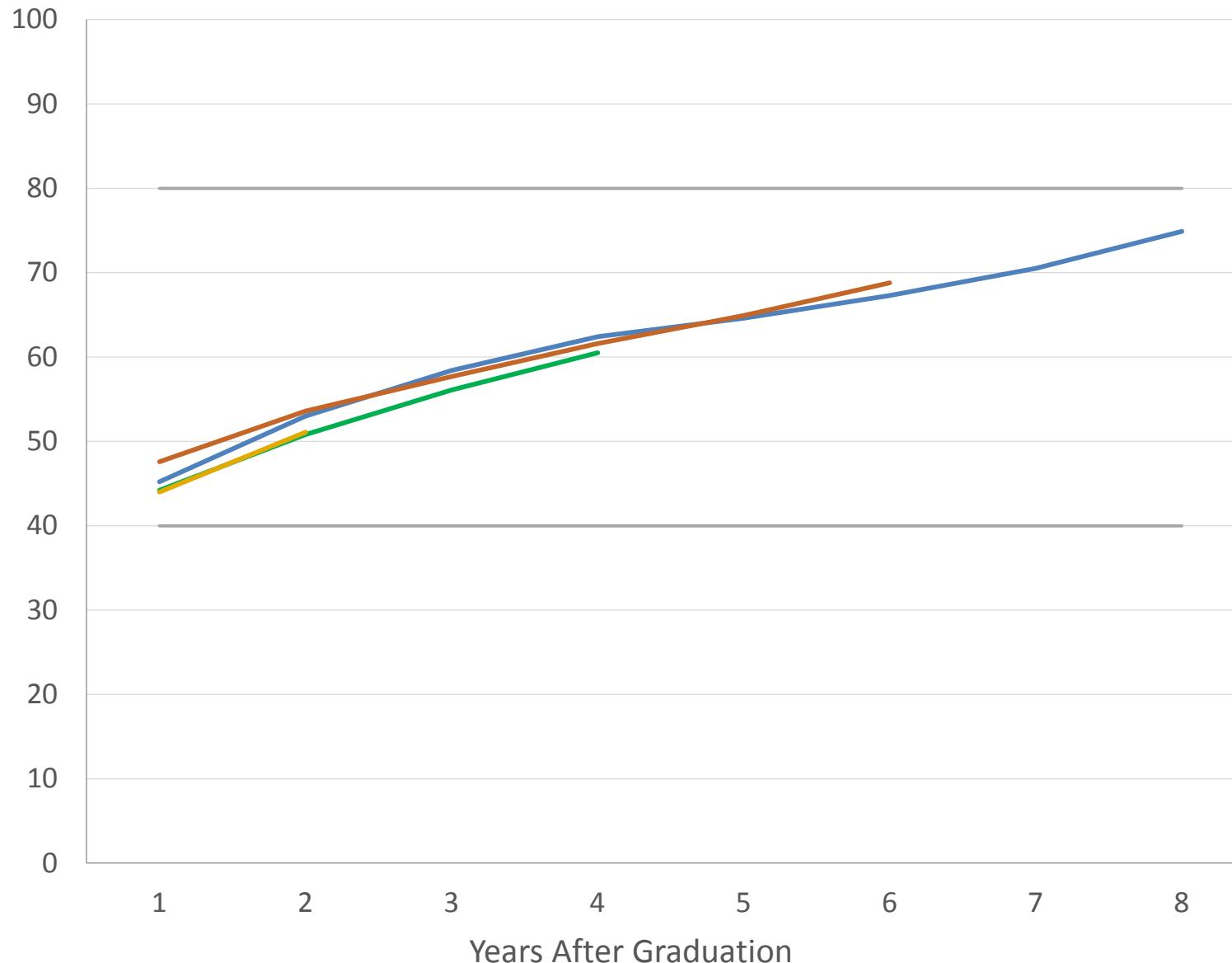
Add Other Cohorts

Mean Earnings of All Graduates (\$2014)



Showing Selected Cohorts:
2005, 2007, 2009, 2011

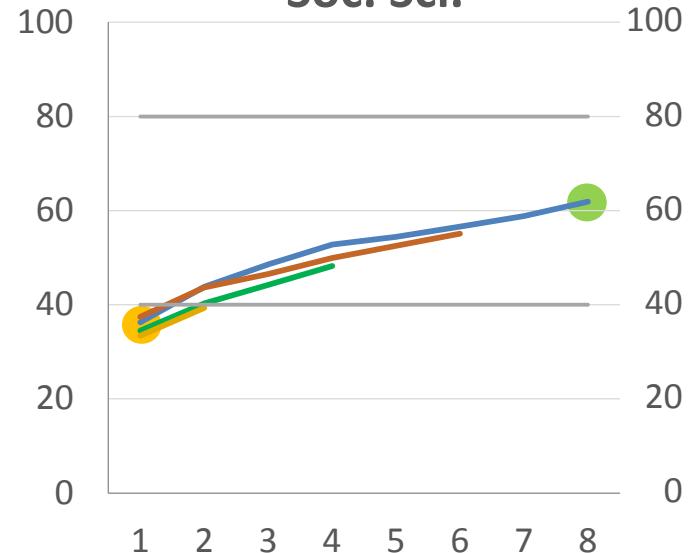
Mean Earnings of Selected Cohorts (\$2014)



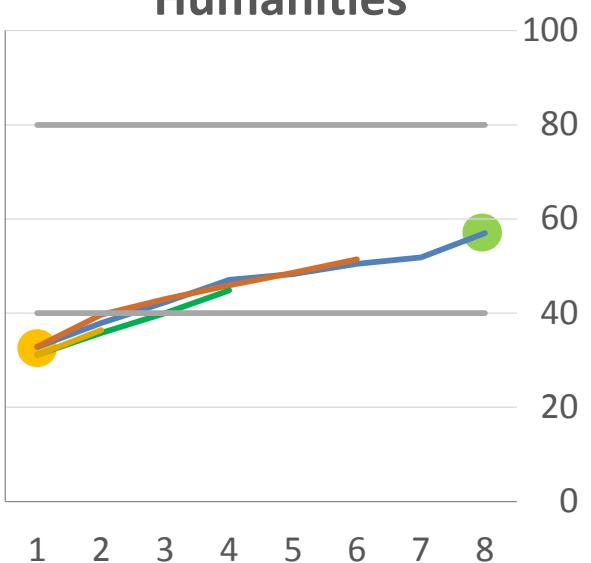
Now Compare Across Areas of Study

Final Earnings

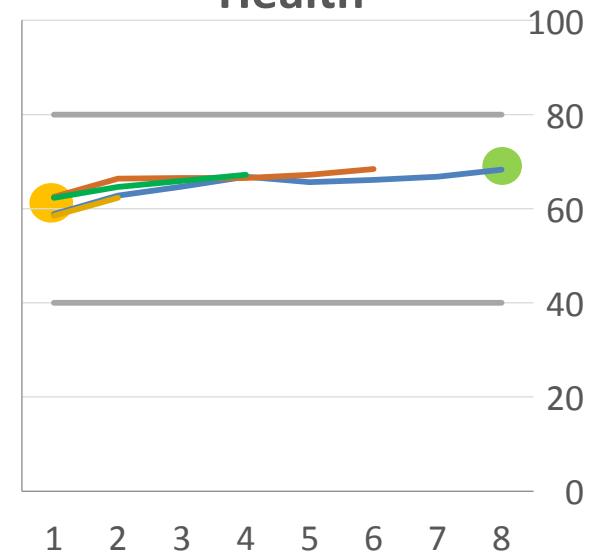
Soc. Sci.



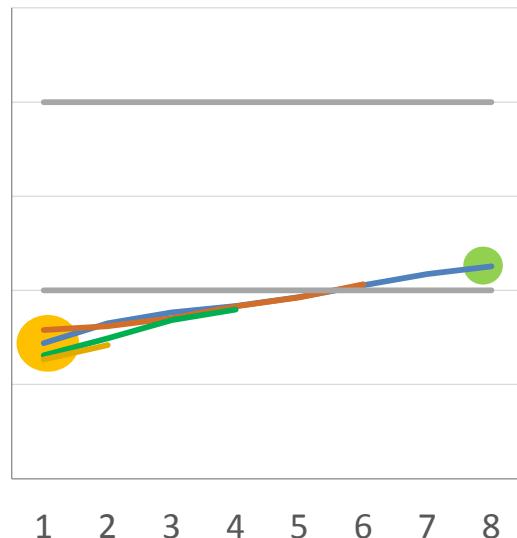
Humanities



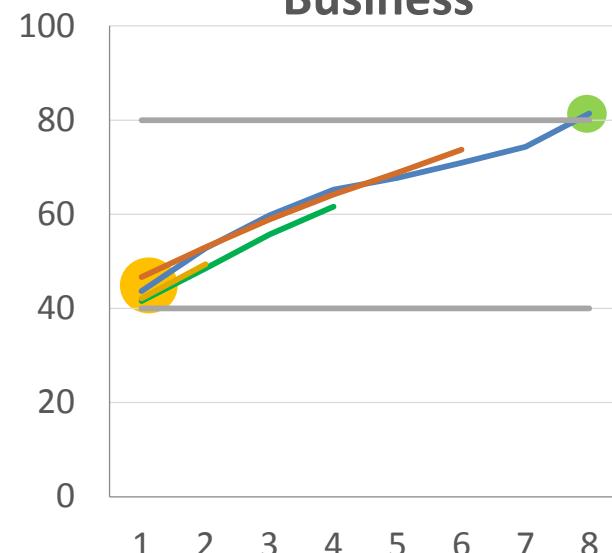
Health



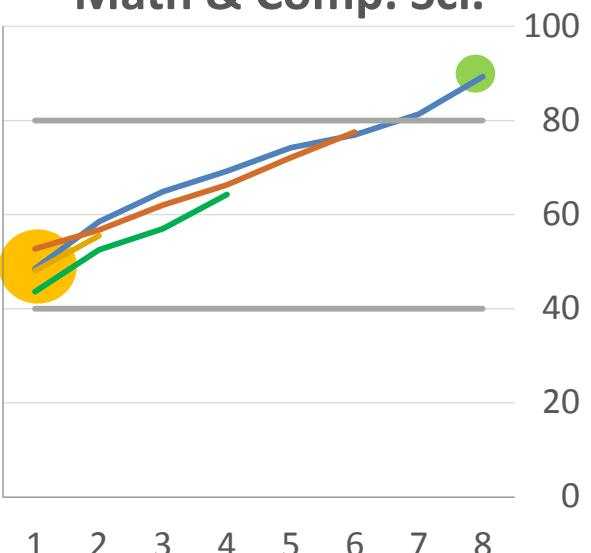
Vis. & Perf. Arts



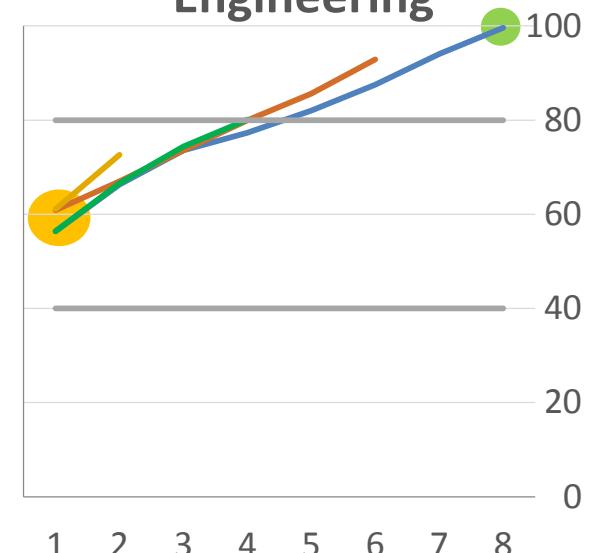
Business



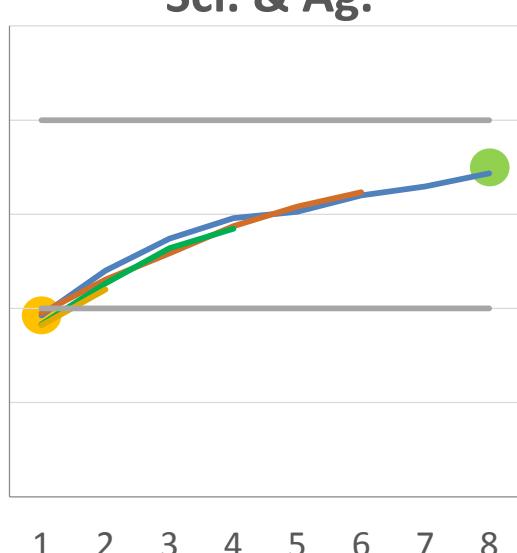
Math & Comp. Sci.



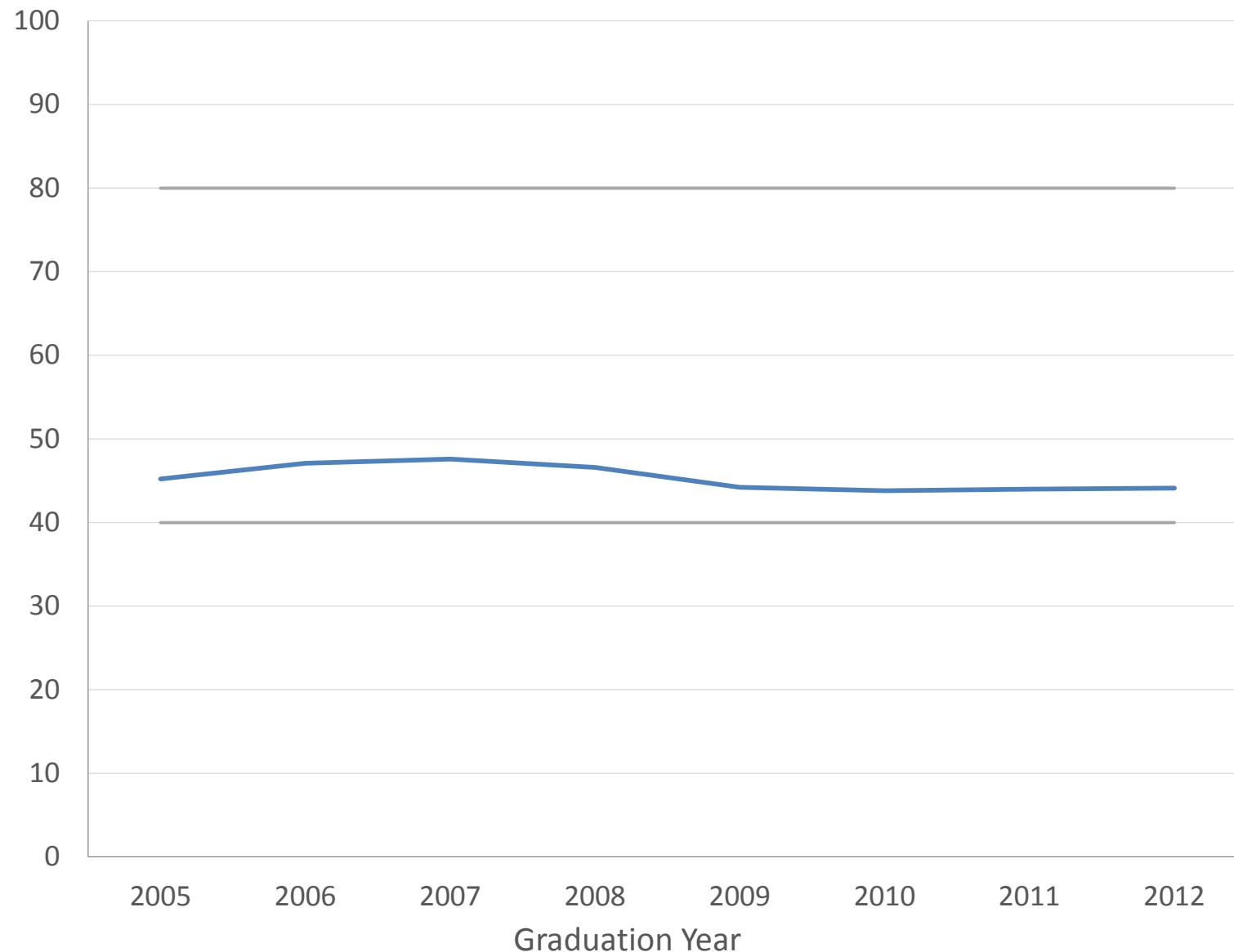
Engineering



Sci. & Ag.

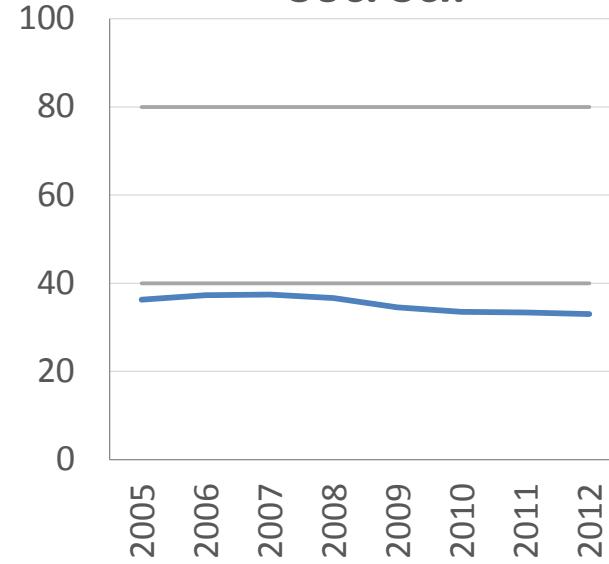


First Year Earnings, All Graduates

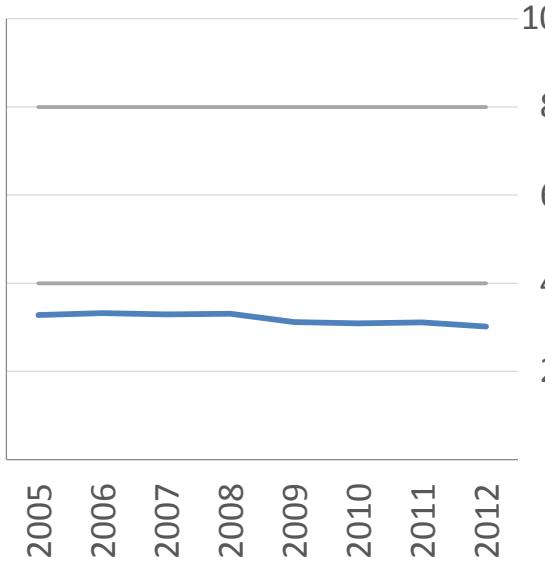


First Year Earnings by Area of Study

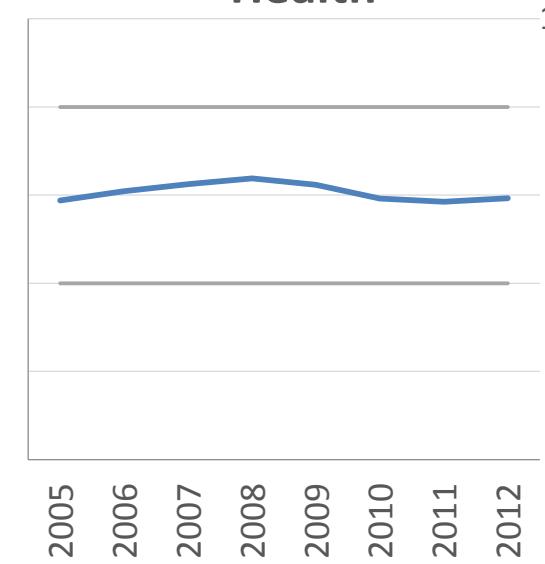
Soc. Sci.



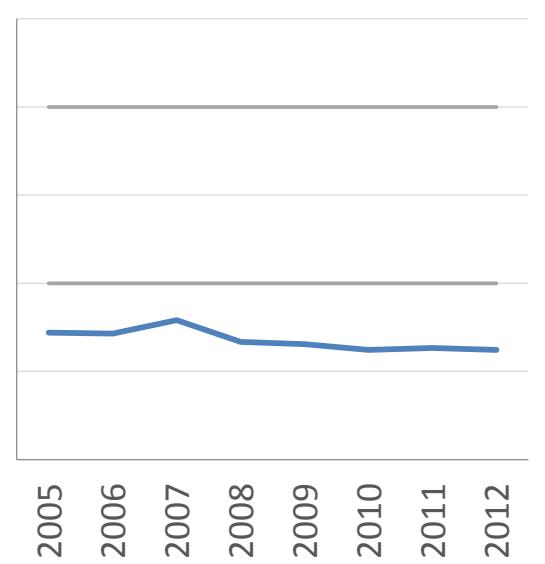
Humanities



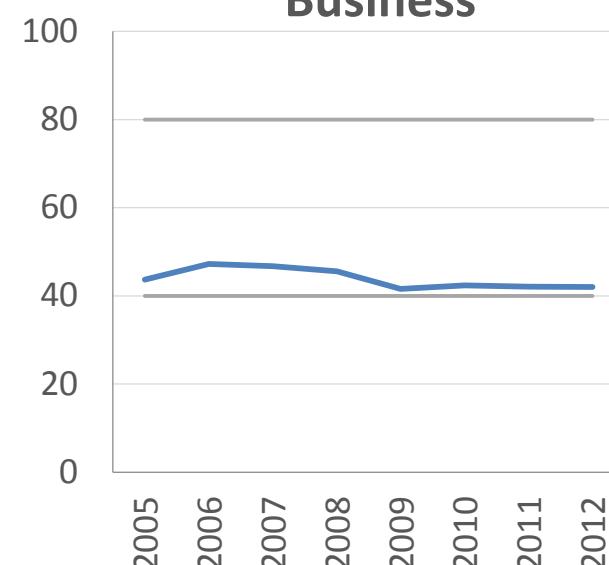
Health



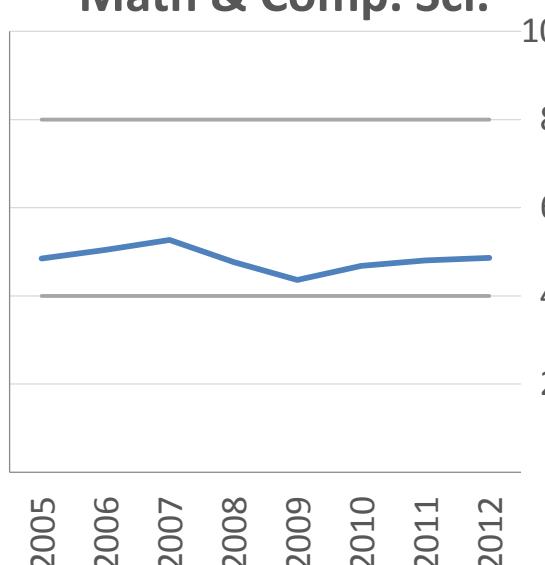
Vis. & Perf. Arts



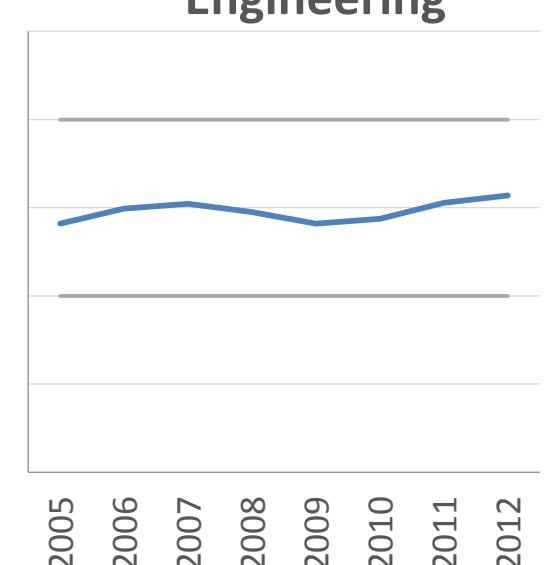
Business



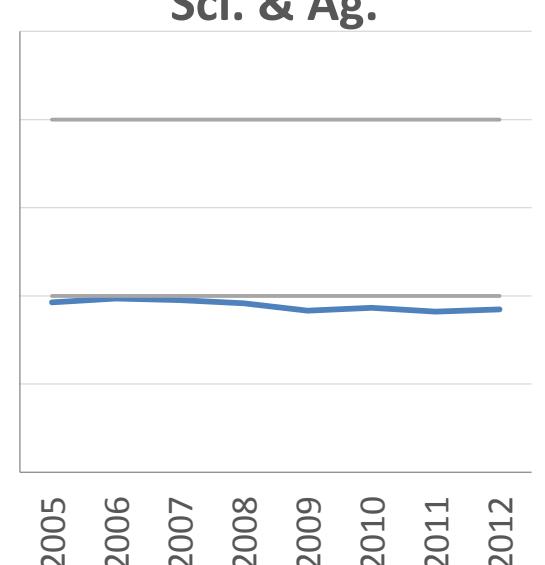
Math & Comp. Sci.



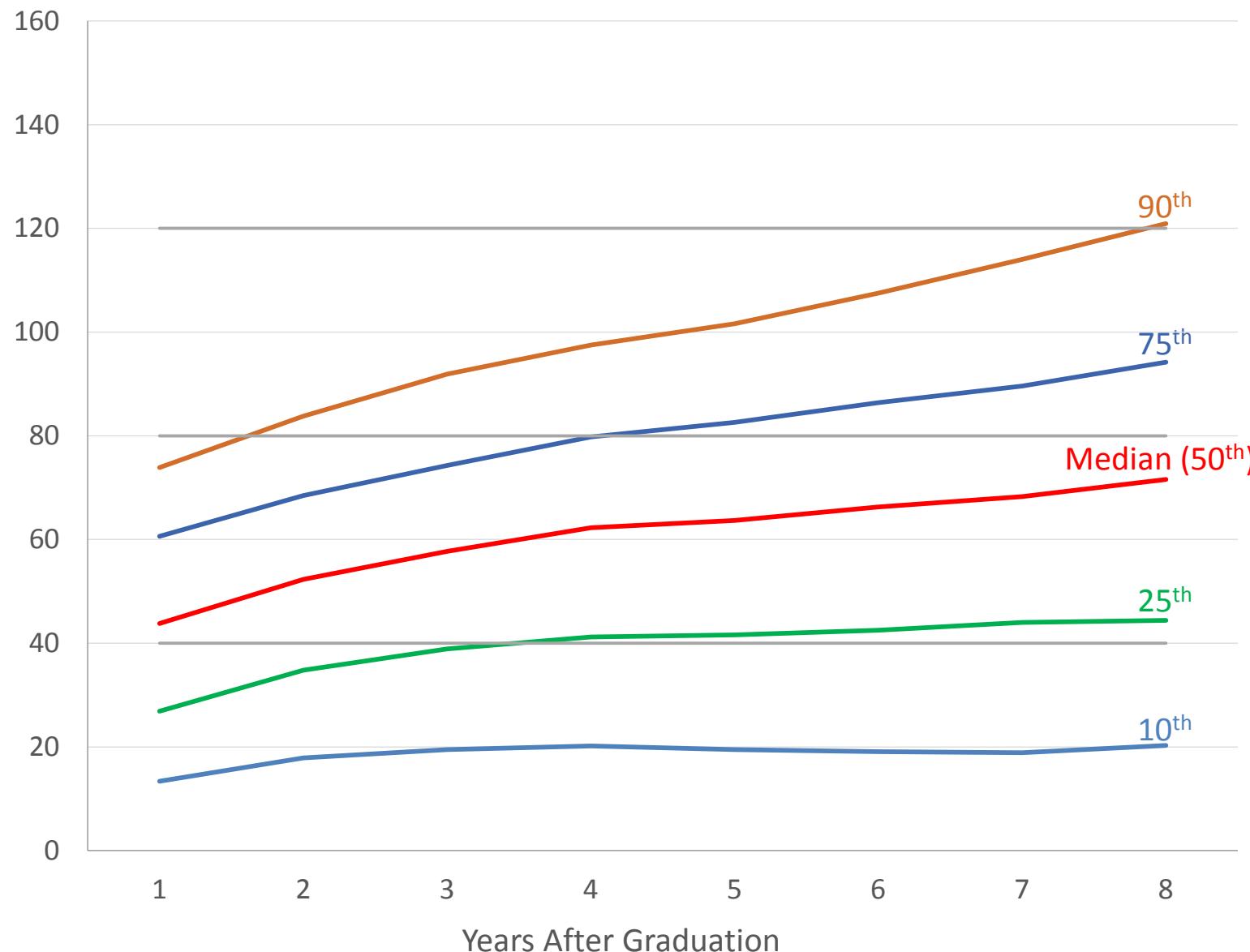
Engineering



Sci. & Ag.



Distribution of Earnings – All Graduates, 2005 Cohort



Making the Results Accessible

www.epri.ca/tax-linkage

Where to Go Next?

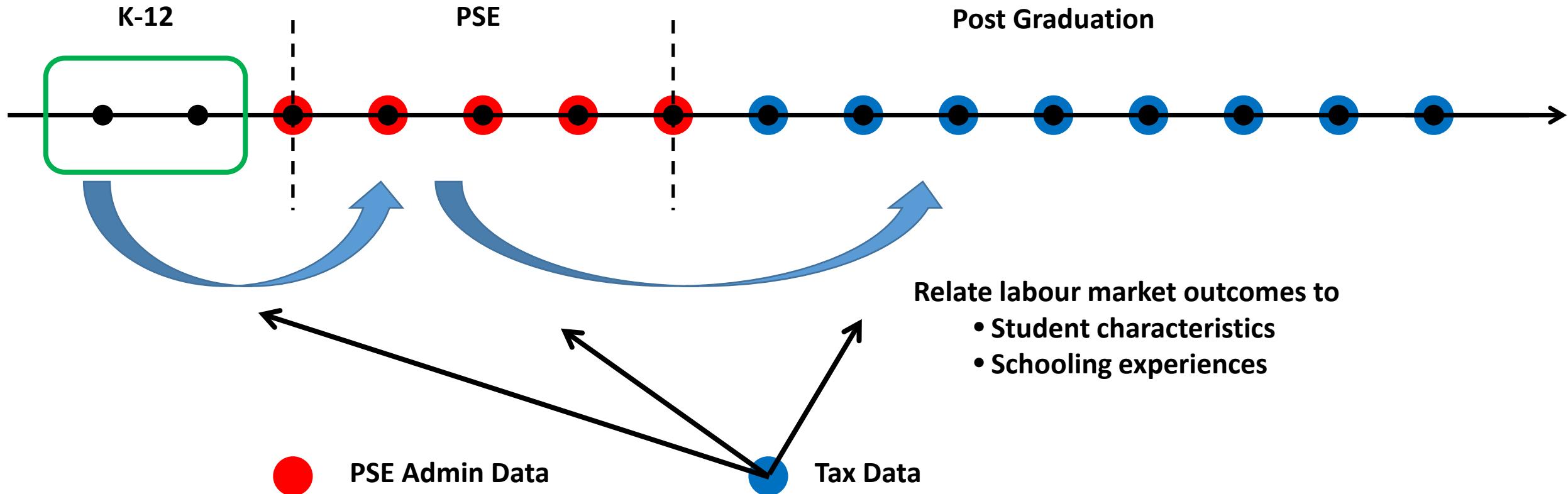
1. An Administrative Data Research Platform

An Administrative Data Research Platform

Add K-12
data

Track students through PSE

Track students in the labour market



2. A New Skills Agenda

The Traditional Skills Agenda

Engineers

Physiotherapist

Skilled Trades

Electrician

Technician

Welder

STEM

Plumbers

Nurses

Exotic Dancer

Doctors

Accountant

Programmers

Business Managers

Personal Care Workers

Mechanic

Technologist

Analysts

Designers

The Traditional Skills Agenda

Engineers

Physiotherapist

Skilled Trades

Electrician

Technician

Welder

Plumbers

Nurses

Exotic Dancer

Doctors

STEM

Pipe Fitters

Business Managers

Accountant

Programmers

Mechanic

Technologist

Personal Care Workers

Analysts

Designers

2 – 5 Years Experience

The New Skills Agenda

Problem Solving
Written Communication
Strong Work Ethic
Analytical Skills
Teamwork
Verbal Communication
Initiative
Conscientious
Self-Confidence
Organization
Creative Thinking
Leadership
Interpersonal Skills
Flexibility/Adaptability
Detail-Oriented

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