

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

Ross Finnie(rfinnie@uottawa.ca)



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

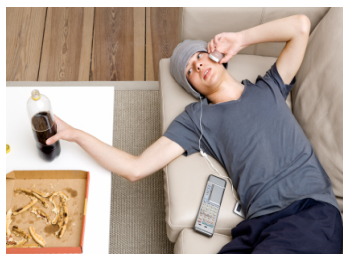
- Year-by-year after graduation
- Cohort-by-cohort
- By field of study

Motivation: Informing Student Choices

Motivation: Informing Student Choices



Motivation: Informing Student Choices



Data

Graduates 2005-2012



Linked to tax data

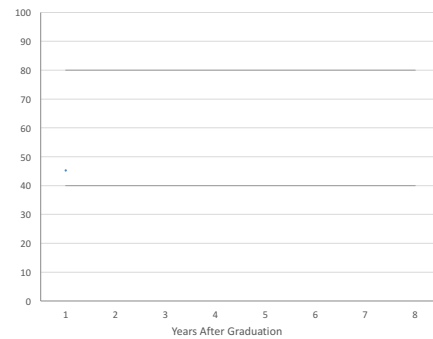
97% linkage rate

Keep in mind...

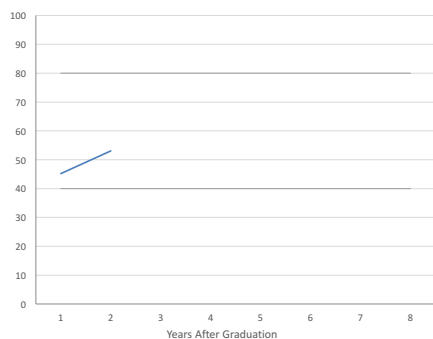
- 14 PSE institutions across 4 regions
- Annual earnings through to 2013 (reported in \$2014)
- Dropped if/where more PSE
- Also exclude if earnings < \$1k (c. 3-3.5% overall)

Start with 2005 (Earliest) Cohort

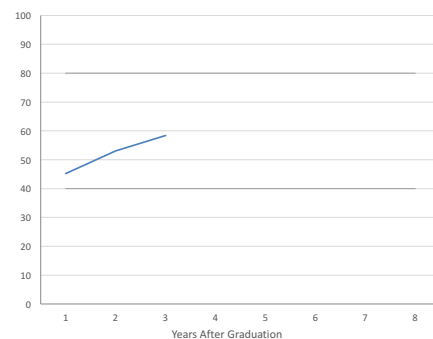
Mean Earnings of All Graduates (\$2014)



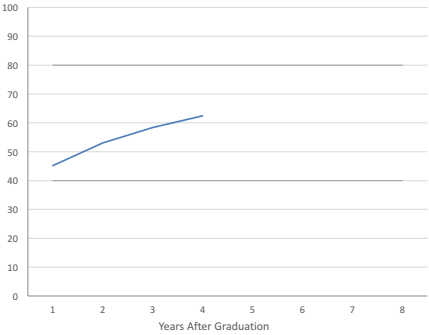
Mean Earnings of All Graduates (\$2014)



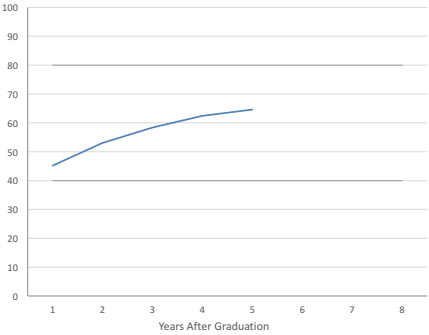
Mean Earnings of All Graduates (\$2014)



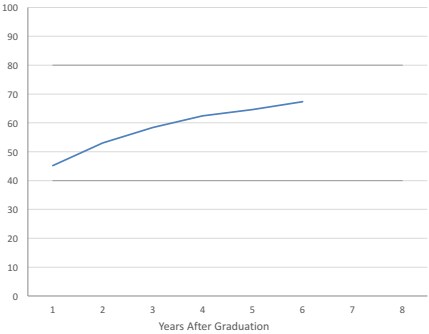
Mean Earnings of All Graduates (\$2014)



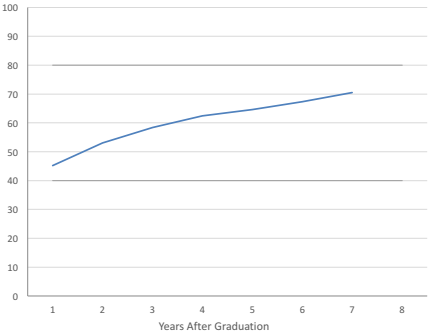
Mean Earnings of All Graduates (\$2014)



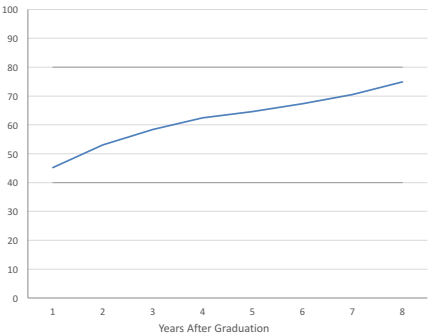
Mean Earnings of All Graduates (\$2014)



Mean Earnings of All Graduates (\$2014)

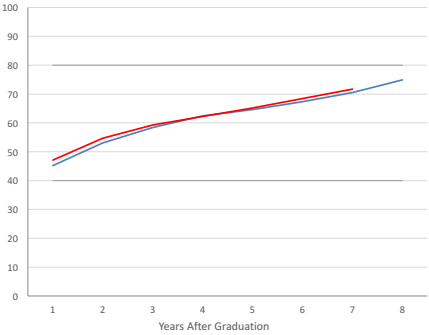


Mean Earnings of All Graduates (\$2014)

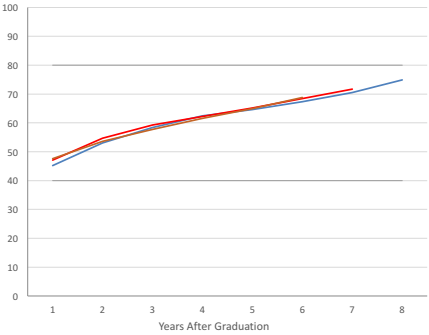


Add Other Cohorts

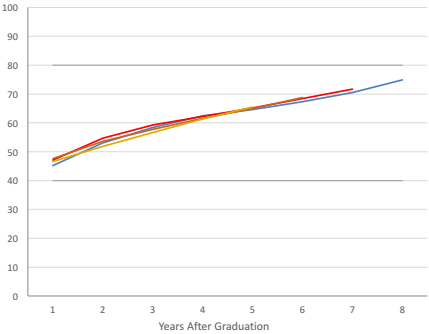
Mean Earnings of All Graduates (\$2014)



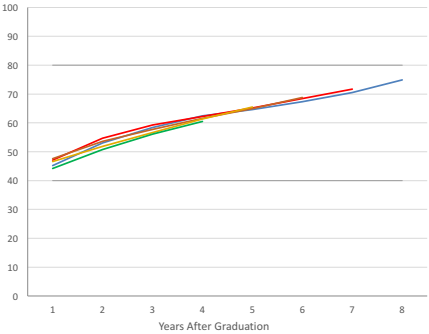
Mean Earnings of All Graduates (\$2014)



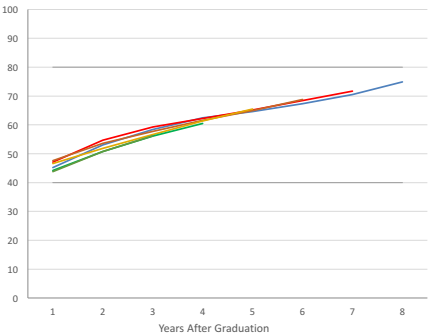
Mean Earnings of All Graduates (\$2014)



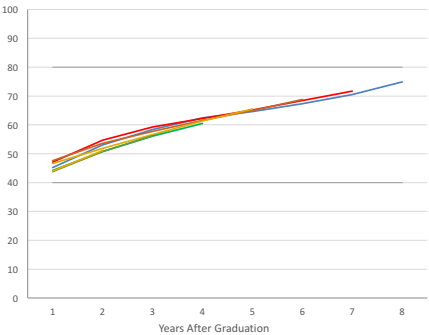
Mean Earnings of All Graduates (\$2014)



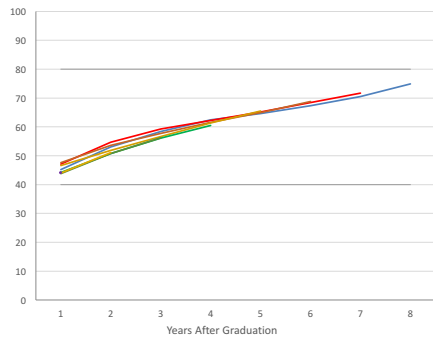
Mean Earnings of All Graduates (\$2014)



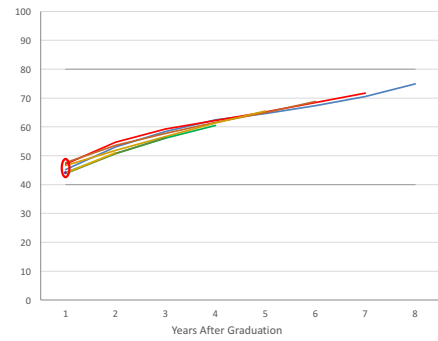
Mean Earnings of All Graduates (\$2014)



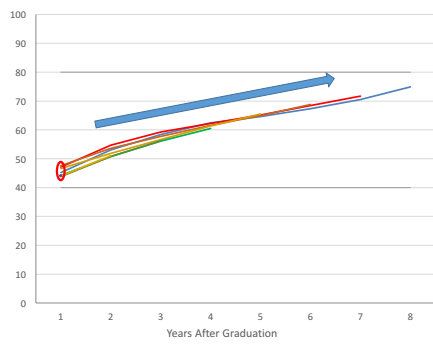
Mean Earnings of All Graduates (\$2014)



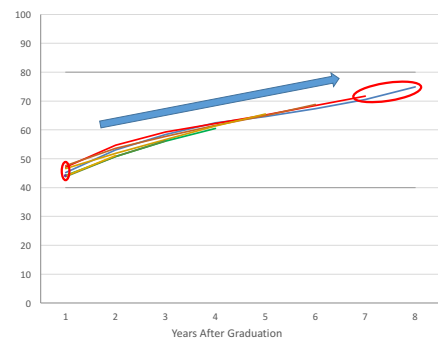
Mean Earnings of All Graduates (\$2014)



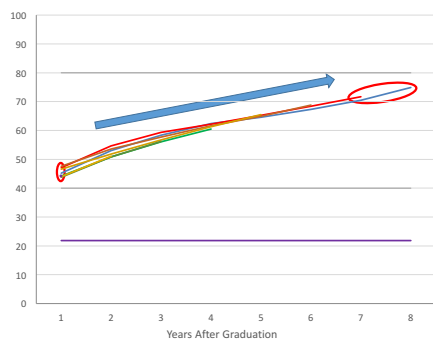
Mean Earnings of All Graduates (\$2014)



Mean Earnings of All Graduates (\$2014)

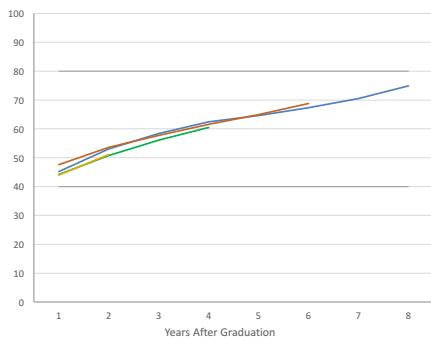


Mean Earnings of All Graduates (\$2014)



Showing Selected Cohorts:
2005, 2007, 2009, 2011

Mean Earnings of Selected Cohorts (\$2014)

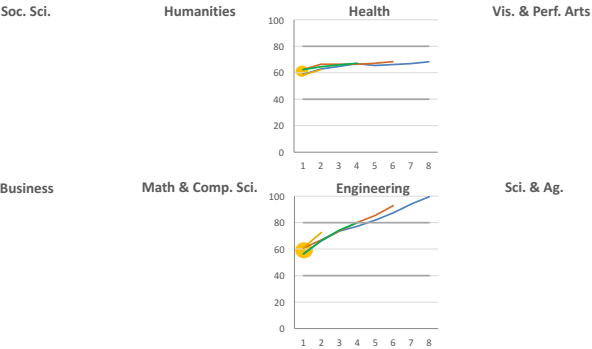


Now Compare Across Areas of Study

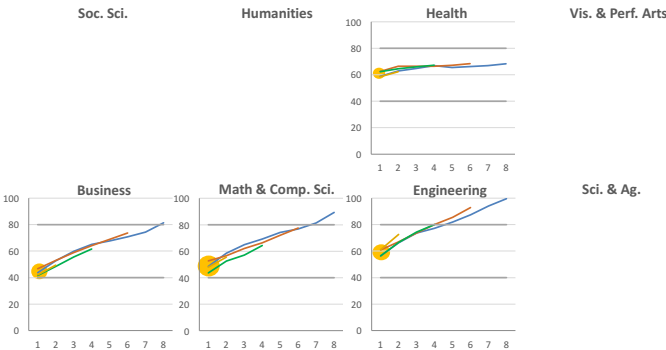
Focus on First-Year Earnings



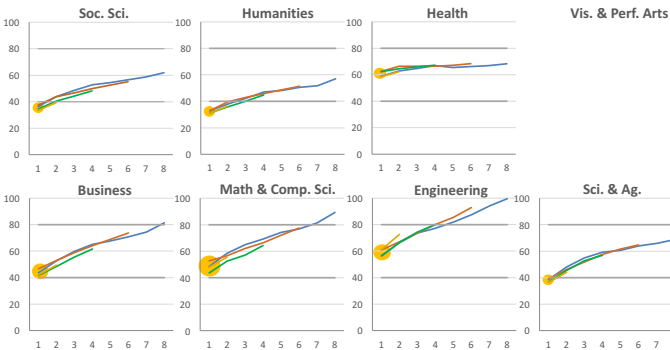
Focus on First-Year Earnings



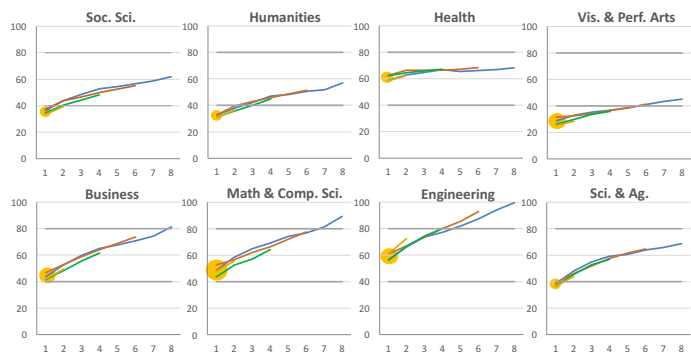
Focus on First-Year Earnings



Focus on First-Year Earnings



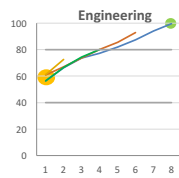
Focus on First-Year Earnings



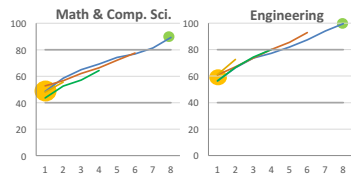
Final Earnings



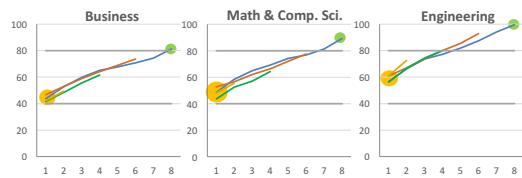
Final Earnings



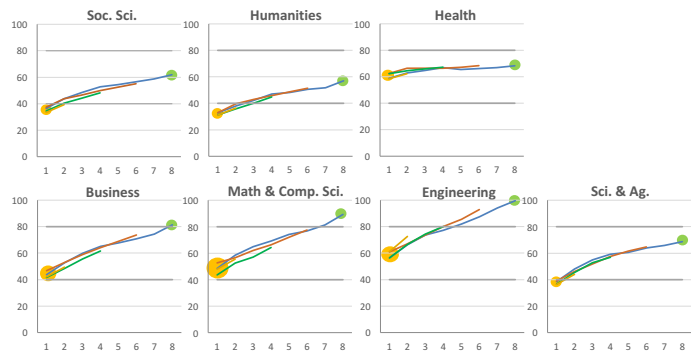
Final Earnings



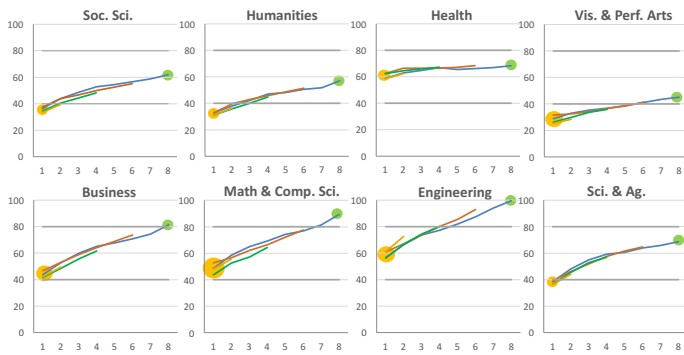
Final Earnings



Final Earnings

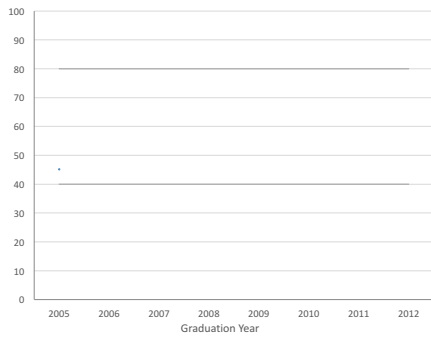


Final Earnings

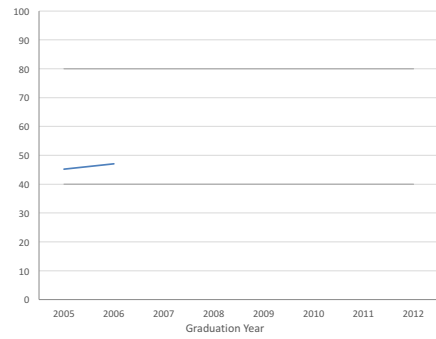


First Year Earnings
2005 – 2012 Graduates:
What Happened After 2008?

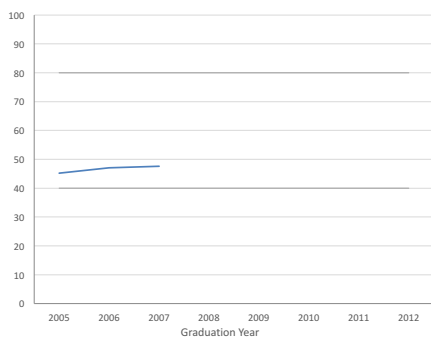
First Year Earnings, All Graduates



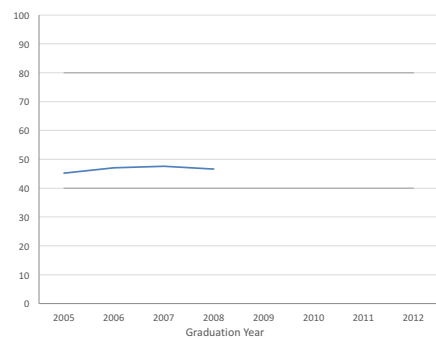
First Year Earnings, All Graduates



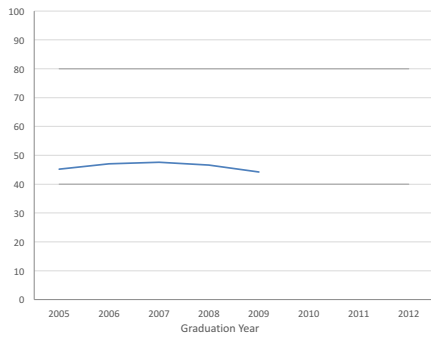
First Year Earnings, All Graduates



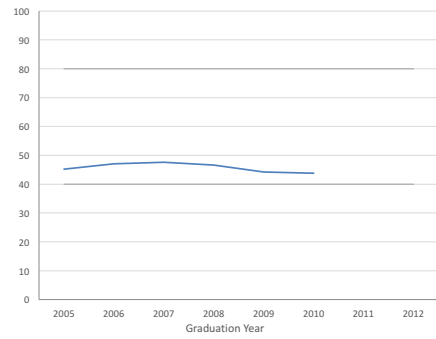
First Year Earnings, All Graduates



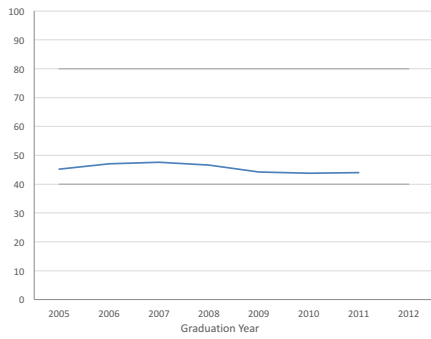
First Year Earnings, All Graduates



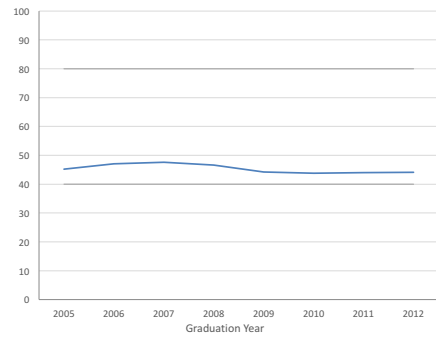
First Year Earnings, All Graduates



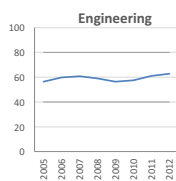
First Year Earnings, All Graduates



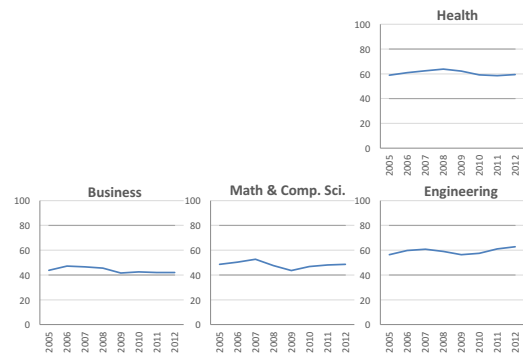
First Year Earnings, All Graduates



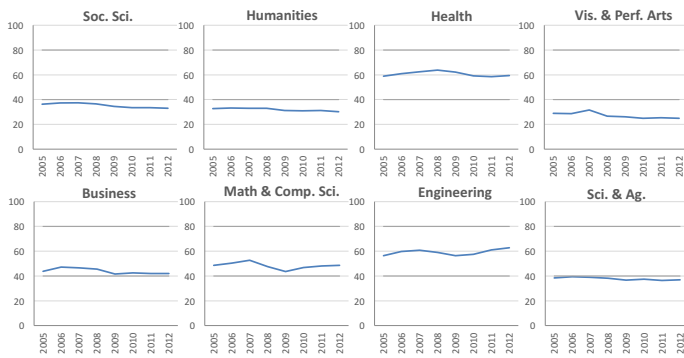
First Year Earnings – Increases



First Year Earnings – Stable

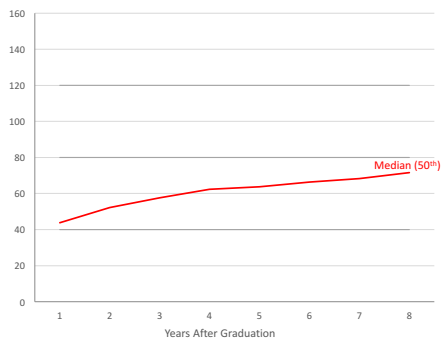


First Year Earnings – Down a Few Thousand

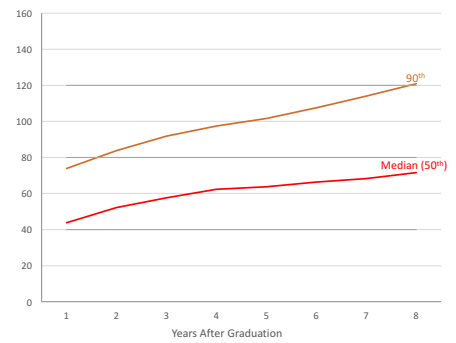


The Distribution of Earnings

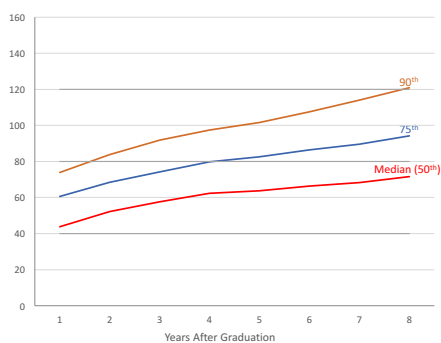
Distribution of Earnings – All Graduates, 2005 Cohort



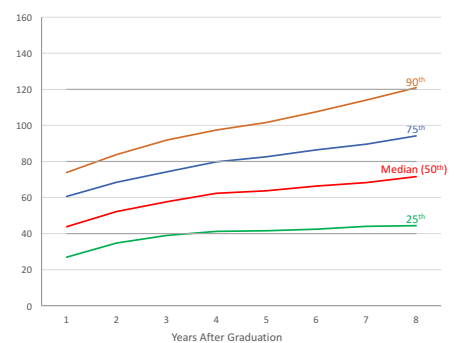
Distribution of Earnings – All Graduates, 2005 Cohort



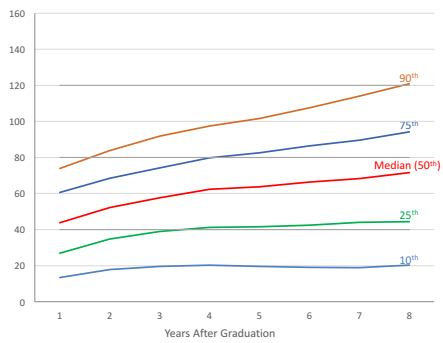
Distribution of Earnings – All Graduates, 2005 Cohort



Distribution of Earnings – All Graduates, 2005 Cohort



Distribution of Earnings – All Graduates, 2005 Cohort

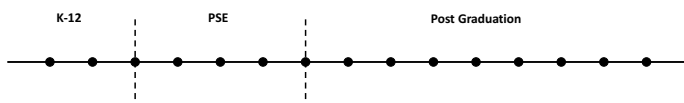


Where to Go Next?

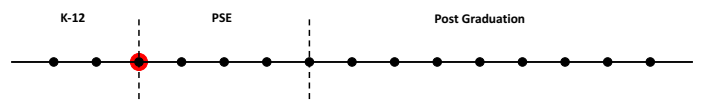
An Administrative Data Research Platform

1. More Research

An Administrative Data Research Platform

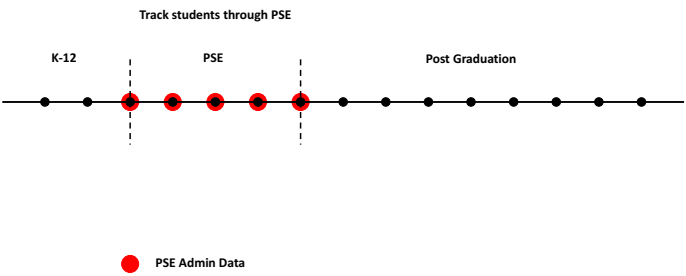


An Administrative Data Research Platform

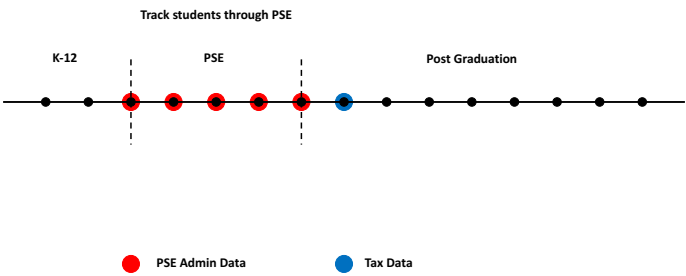


● PSE Admin Data

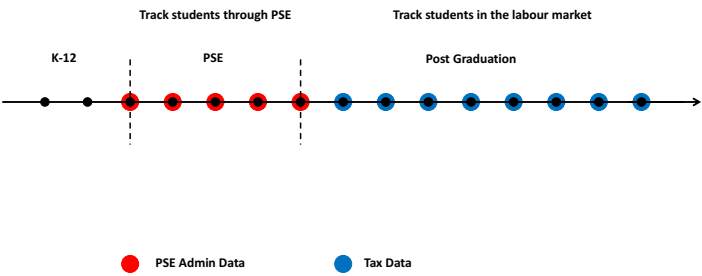
An Administrative Data Research Platform



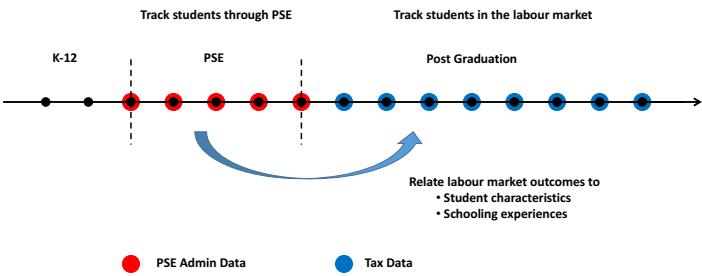
An Administrative Data Research Platform



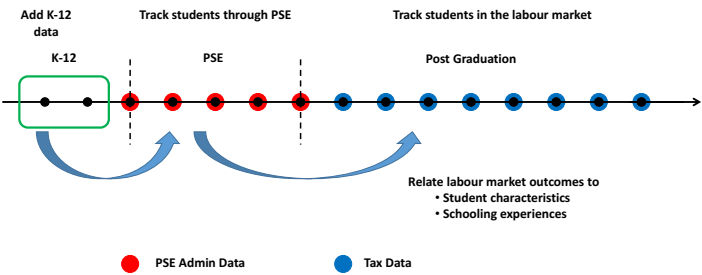
An Administrative Data Research Platform



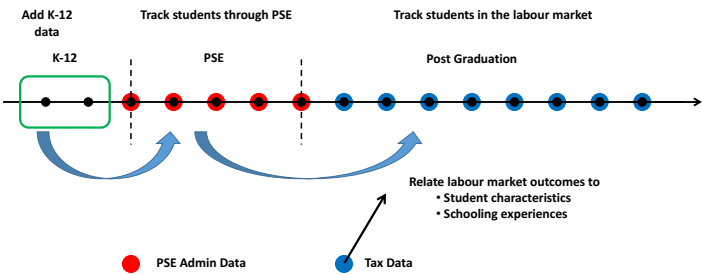
An Administrative Data Research Platform



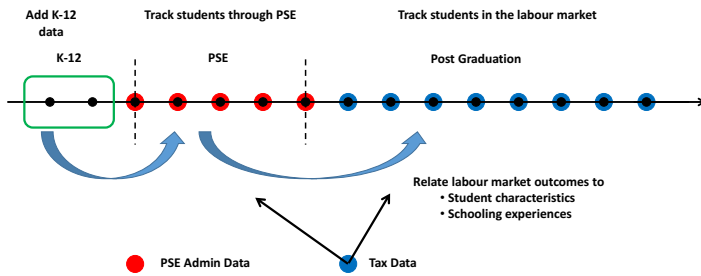
An Administrative Data Research Platform



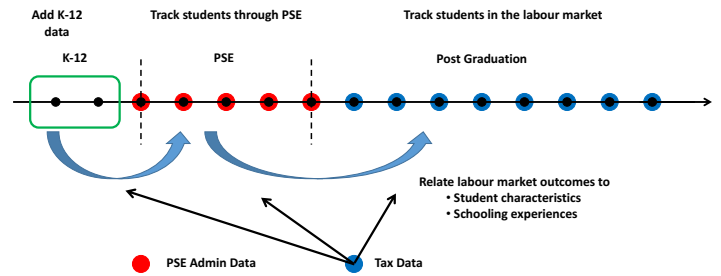
An Administrative Data Research Platform



An Administrative Data Research Platform



An Administrative Data Research Platform



The Traditional Skills Agenda

2. A New Skills Agenda

The Traditional Skills Agenda

Engineers
Physiotherapist
Technician
Welder
Accountant
Personal Care Workers
Skilled Trades
Plumbers
Nurses
Pipe Fitters
Mechanic
Business Managers
Exotic Dancer
Doctors
STEM
Programmers
Analysts
Technologist
Designers
Electrician

The Traditional Skills Agenda

Engineers
Physiotherapist
Technician
Welder
Accountant
Personal Care Workers
Skilled Trades
Plumbers
Nurses
Pipe Fitters
Mechanic
Business Managers
Exotic Dancer
Doctors
STEM
Programmers
Analysts
Technologist
Designers
Electrician

2 – 5 Years Experience

The New Skills Agenda

The New Skills Agenda

Analytical Skills

The New Skills Agenda

The New Skills Agenda

Analytical Skills

Problem Solving

Analytical Skills

Problem Solving

Teamwork

Written Communication

The New Skills Agenda

The New Skills Agenda

Analytical Skills

Conscientious
Strong Work Ethic

Problem Solving

Interpersonal Skills

Teamwork

Flexibility/Adaptability

Written Communication

Analytical Skills

Initiative
Conscientious
Strong Work Ethic

Problem Solving

Creative Thinking
Interpersonal Skills

Teamwork

Flexibility/Adaptability

Detail-Oriented

Written Communication

Self-Confidence

Verbal Communication

Organization

Leadership

What Exactly is New for Universities?

- Used to be discipline-occupation focused
- Need to add “new skills” for a new economy/world
- Should help students develop these skills
- Requires fundamental re-think at all levels

Maybe...

- Study what you like and are good at
- Mix things up – philosophy and biochem?
- Don’t expect to know future career paths from anywhere
- General/“Transferable” skills probably matter most
- Ignore your parents

Advice for Young People?

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

Ross Finnie(rfinnie@uottawa.ca)

