



Digging Deeper into the CTEOS

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Garden Grove, November 16, 2018

Overview

- What is the CTEOS?
- How does it relate to other economic measures?
- Who is it sent to?
- Who is answering the survey?
- How is it being used?

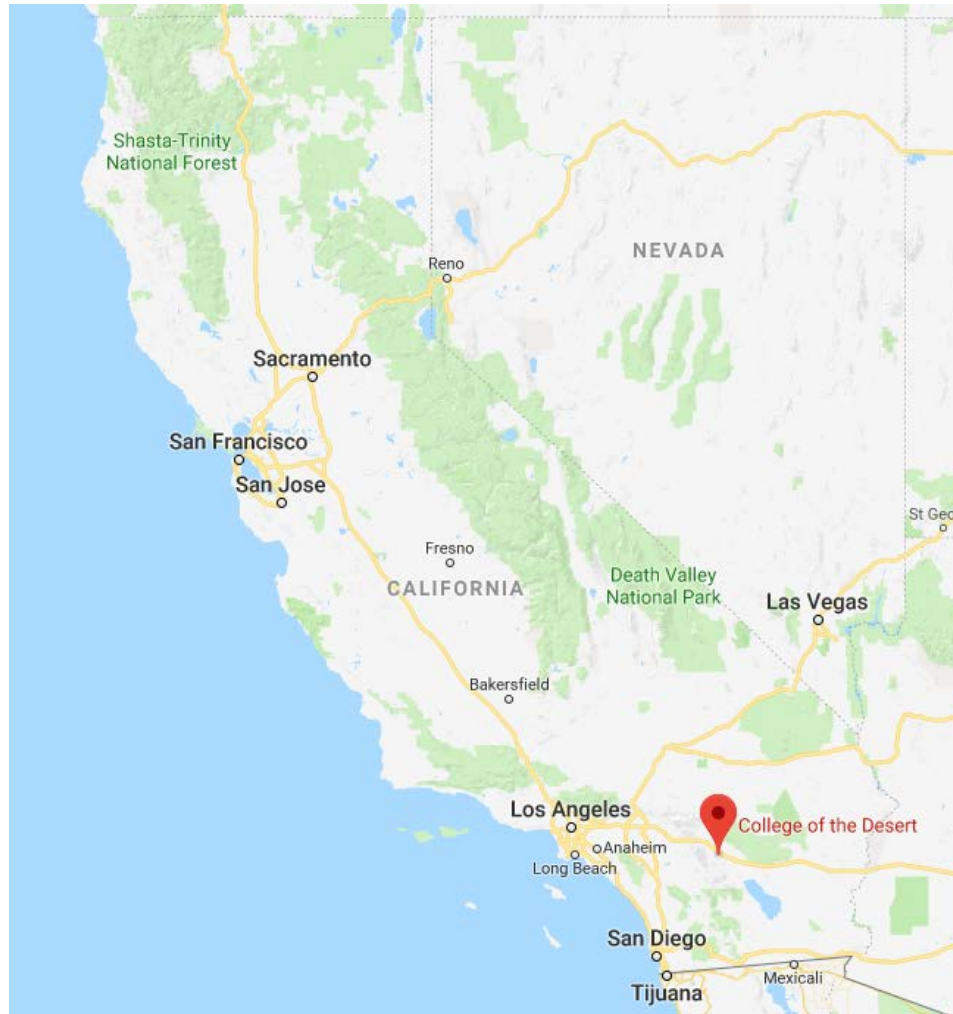
What is the CTEOS?

“The CTEOS tracks California Community College students into the work force.”

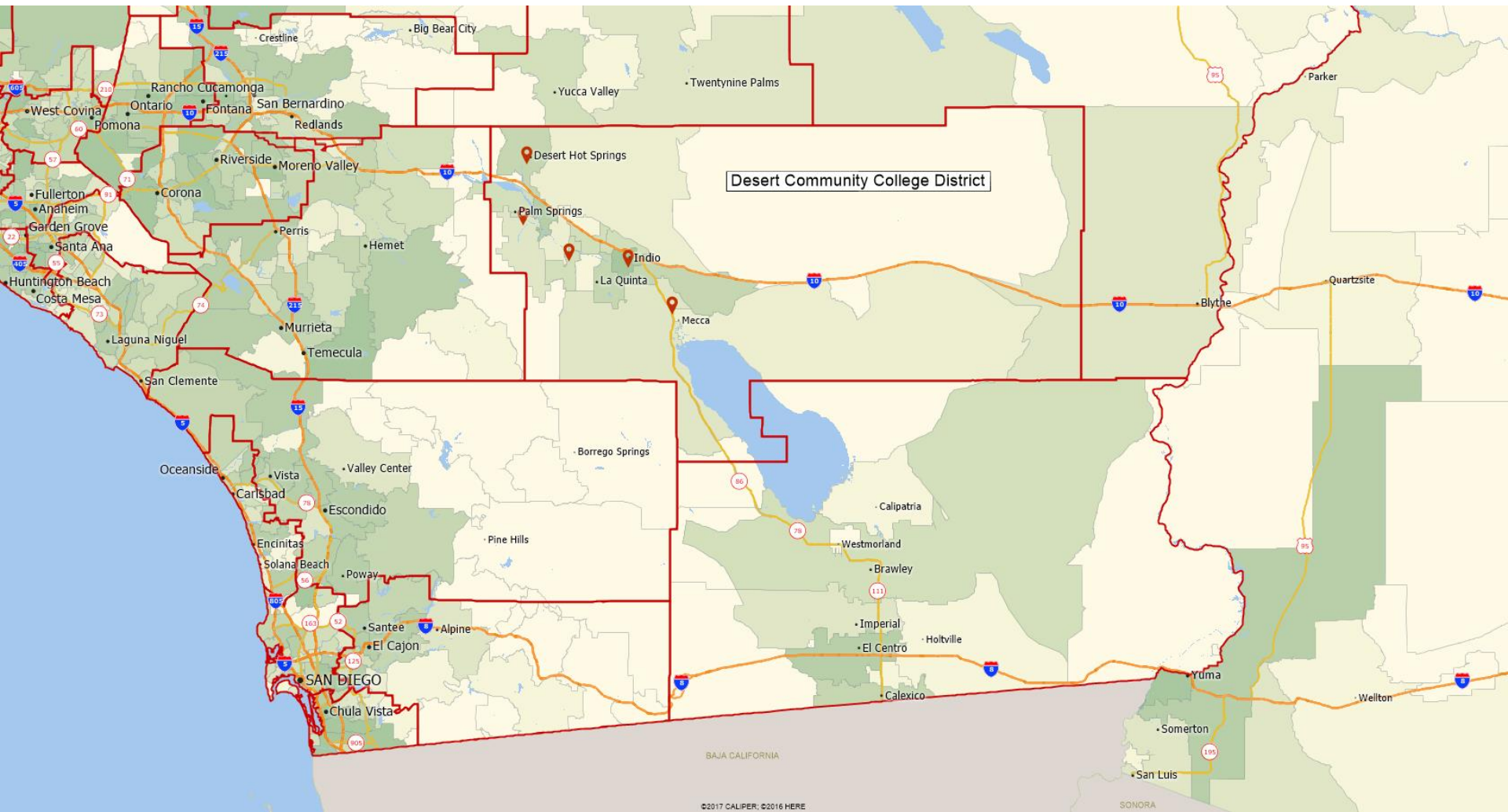
Economics of COD

- Where is COD?
- Unemployment/Self-Employment
- Growth
- Wages
- Occupations

Where is COD?

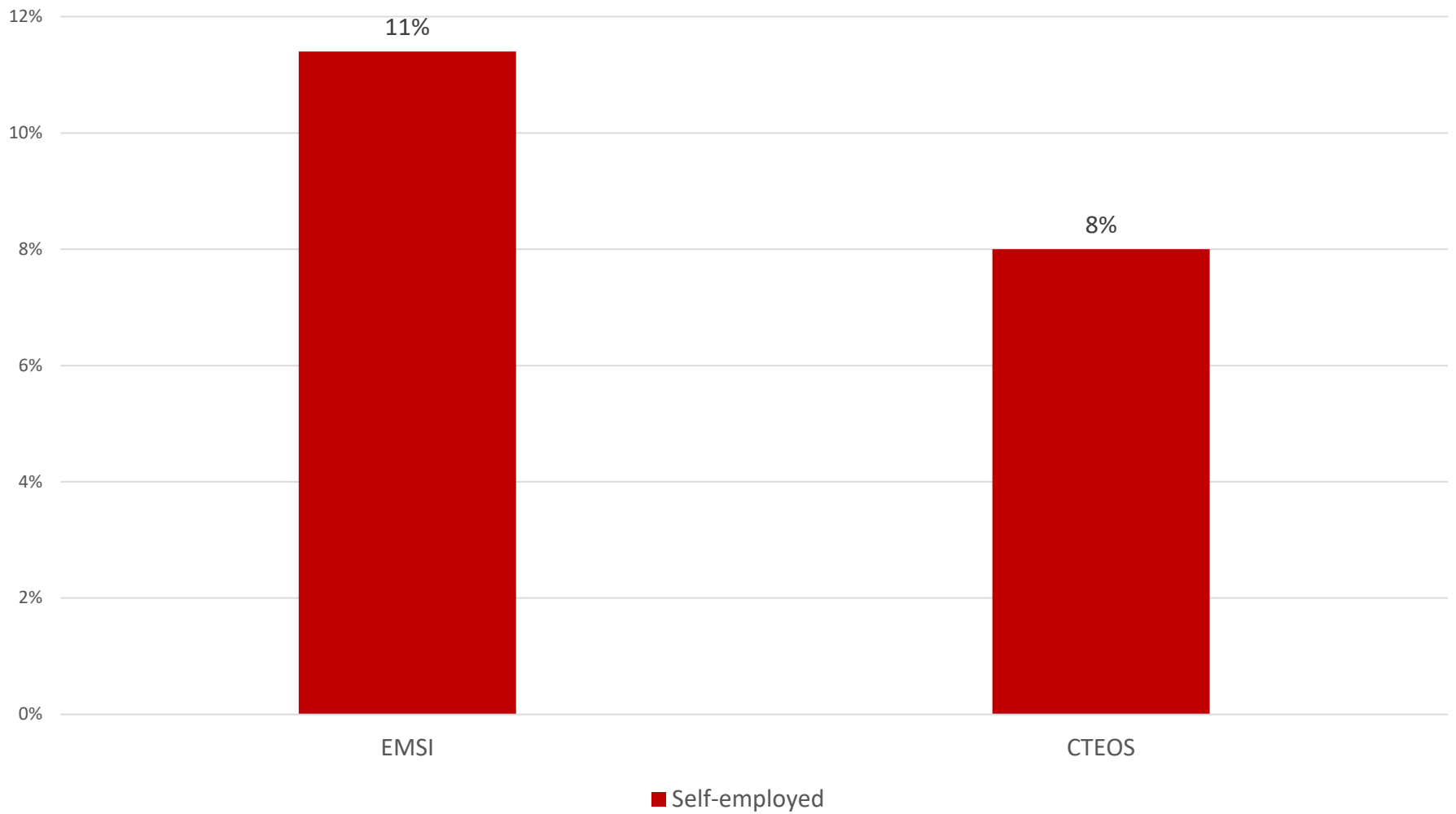


Desert Community College District

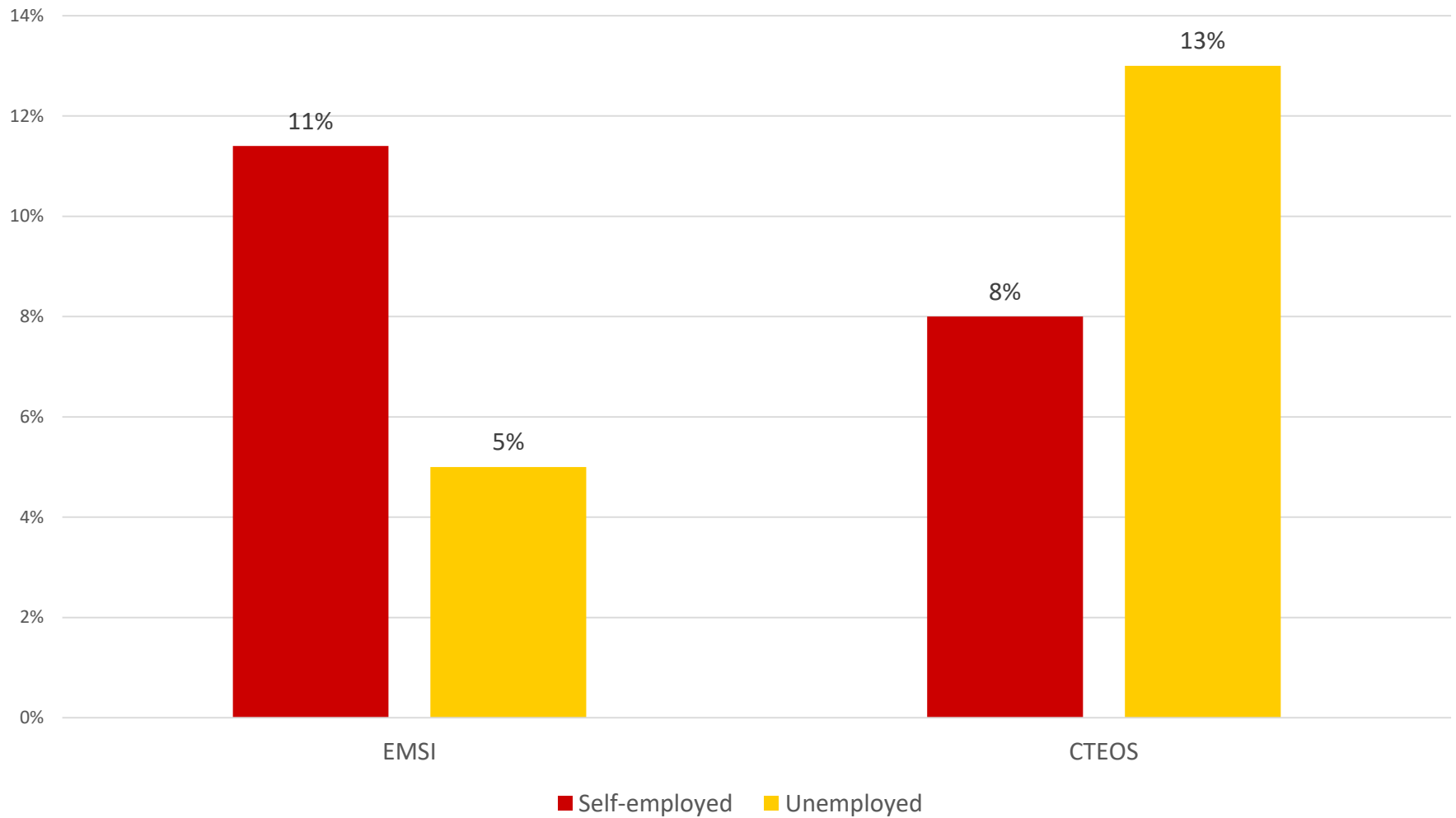


Self-Employment

Self-Employment



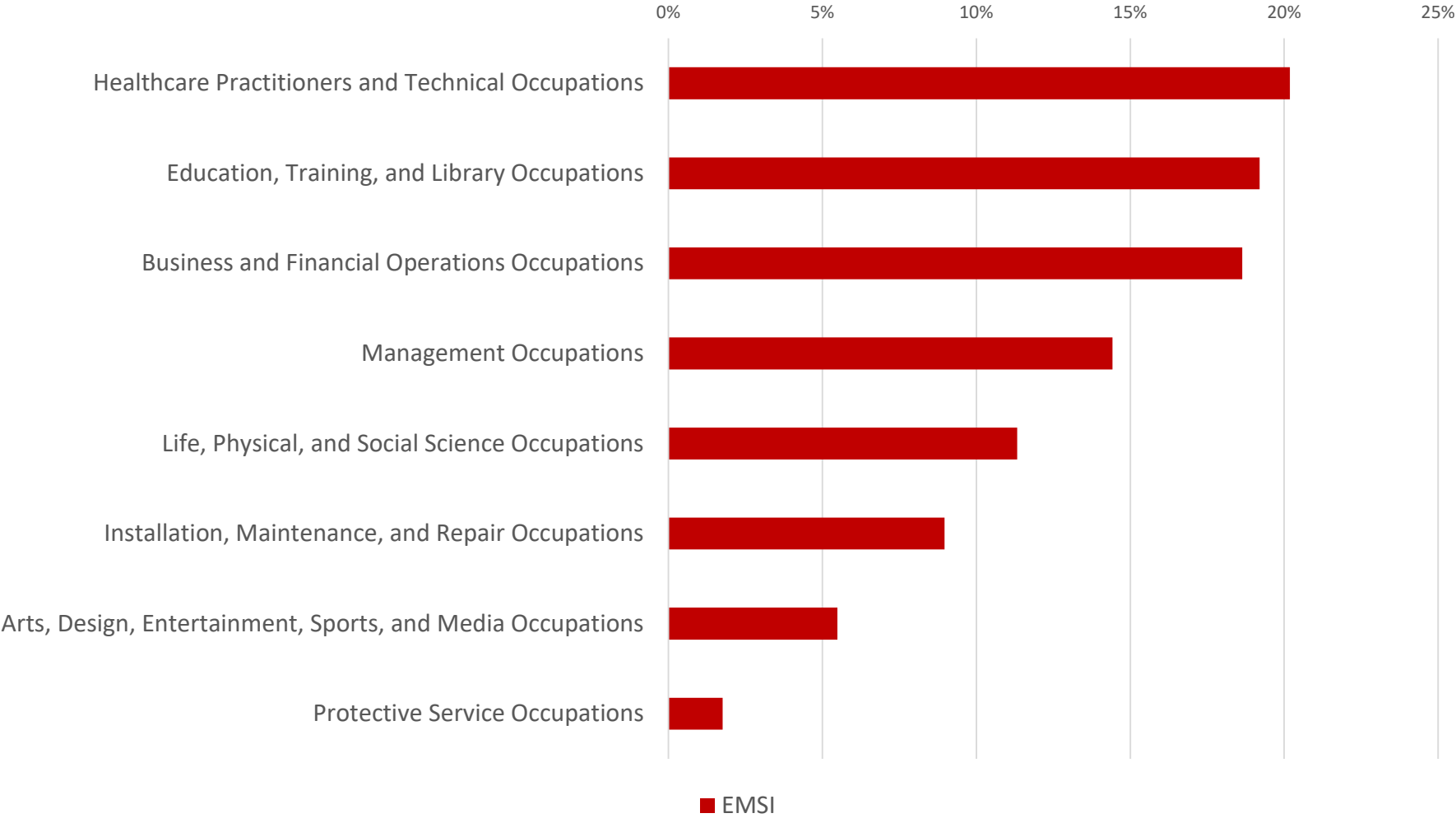
Self-Employment/Unemployment



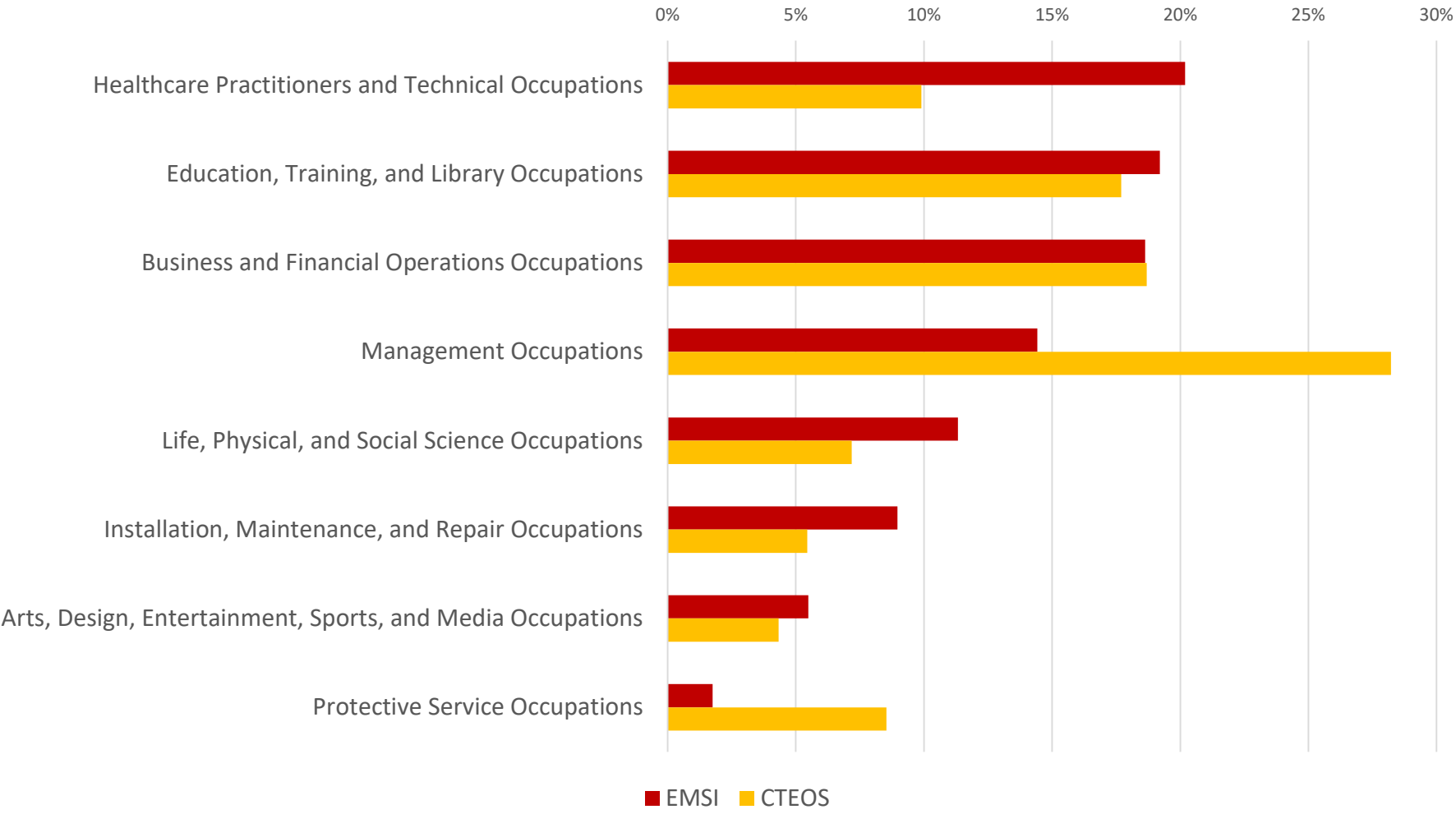
Occupations & Earnings

- Data drawn from MIS
- Includes student major (SS02) for all students, not just those who responded to the survey
- Crosswalked TOP code with SOC code (2 digit)
- Selected majors with 10 or more students

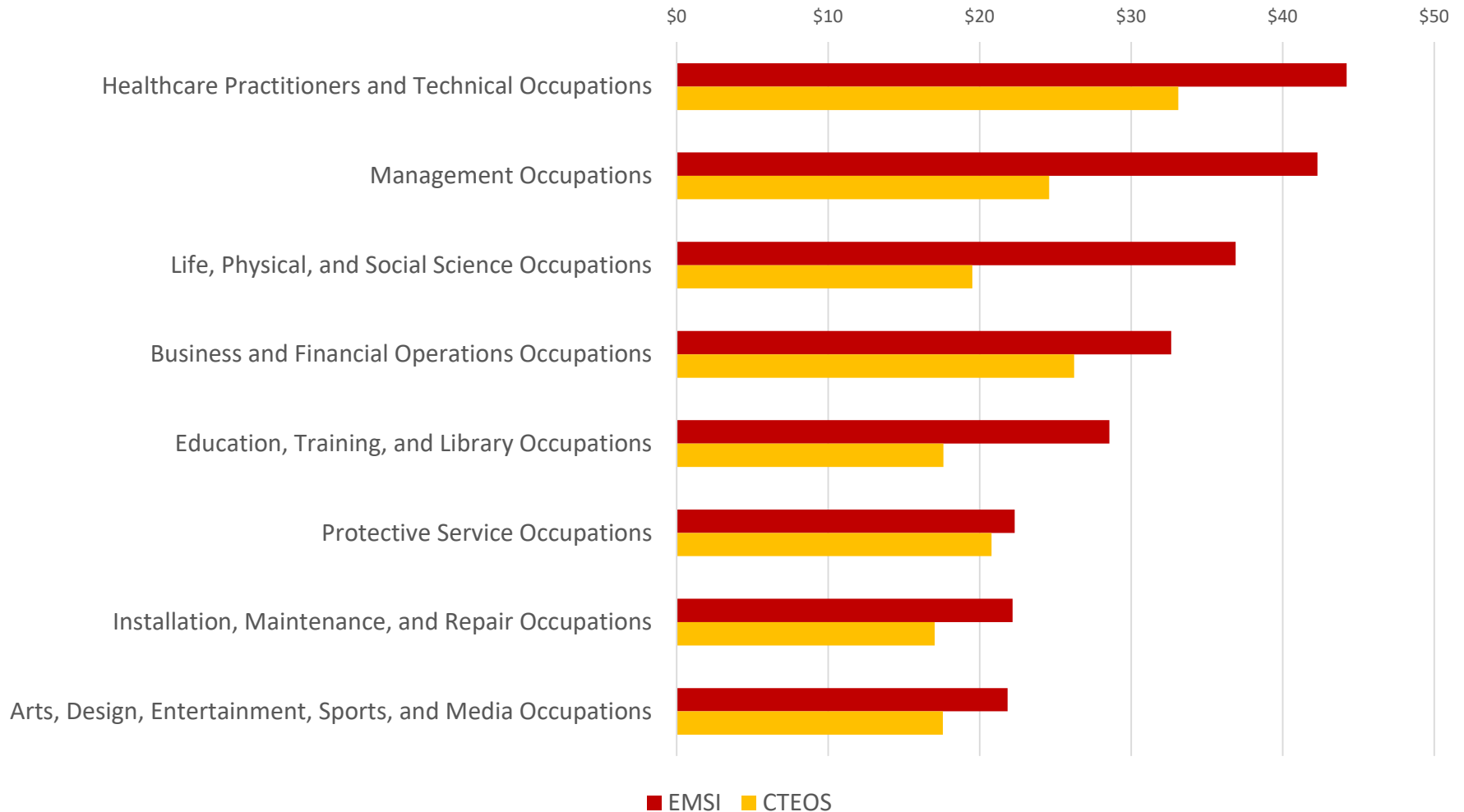
Occupations



Occupations



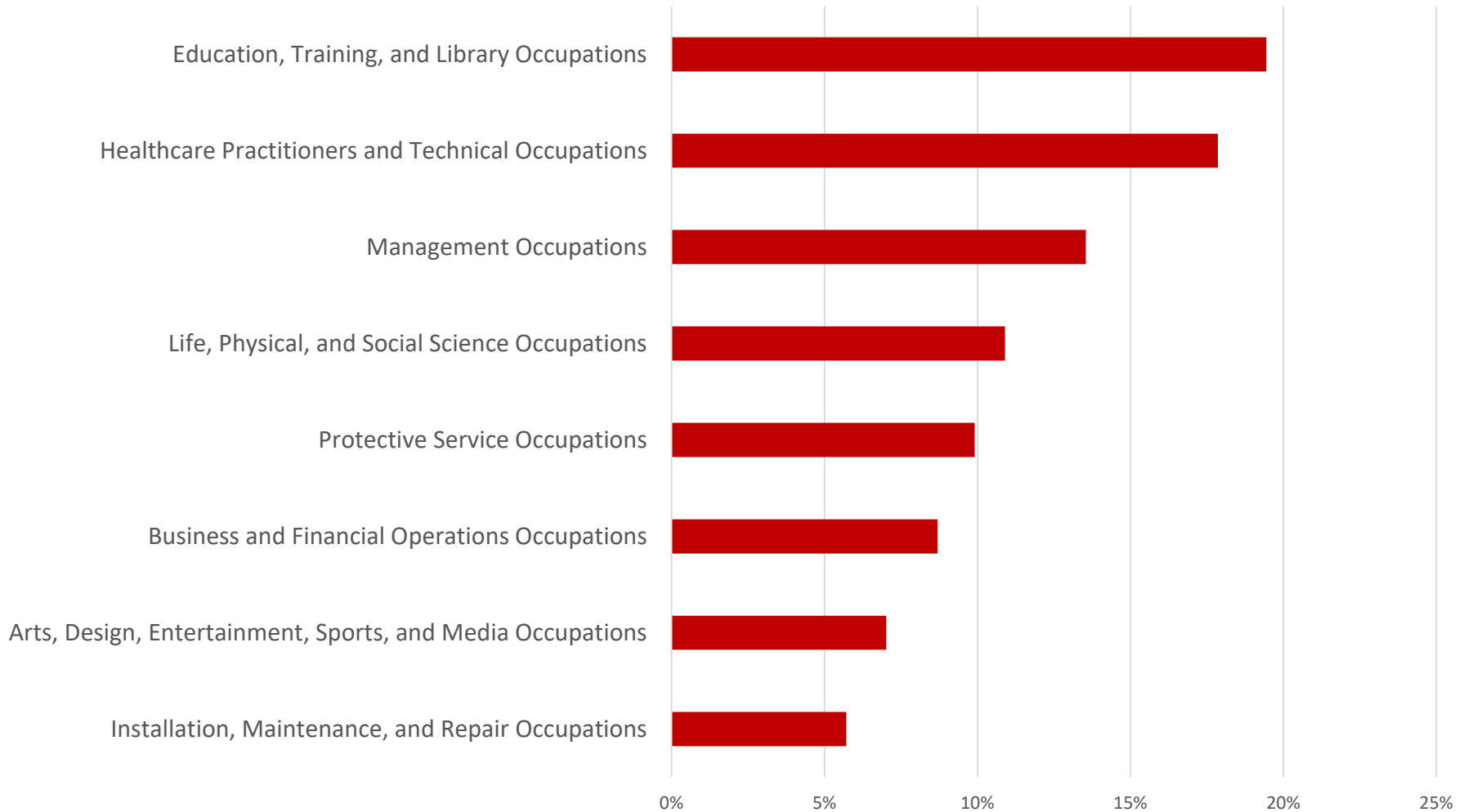
Average Hourly Earnings



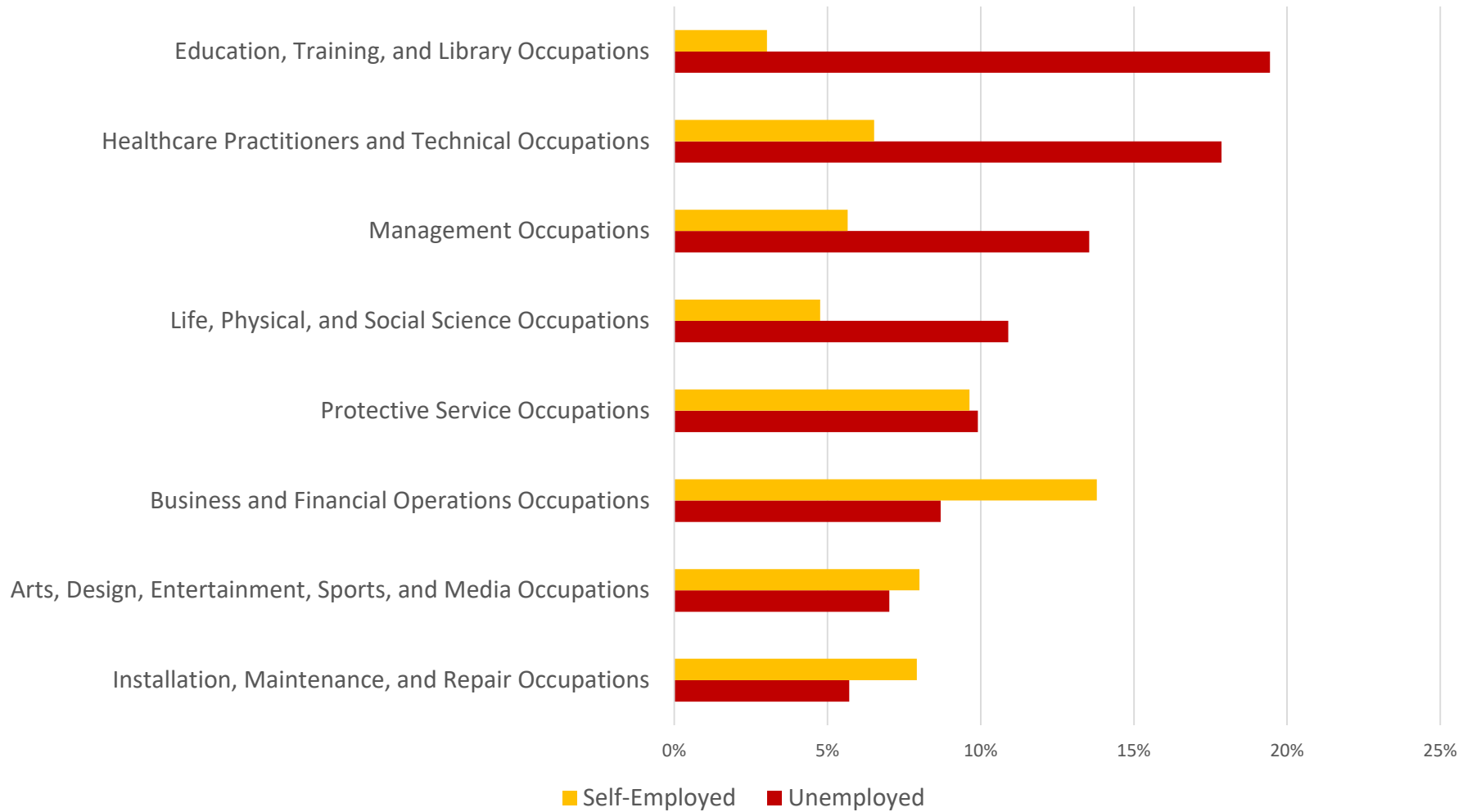
Unemployment/Self-employment by major

- Unemployment data reporting restrictions
 - County level
 - NAICS level

Unemployment by Major/CTEOS



Unemployment/Self-employment by Major/CTEOS



CTEOS

- How is it being used?
- Who is it sent to?
- Who is answering the survey?

How is the CTEOS being used?

“The CTEOS tracks California Community College students into the work force.”

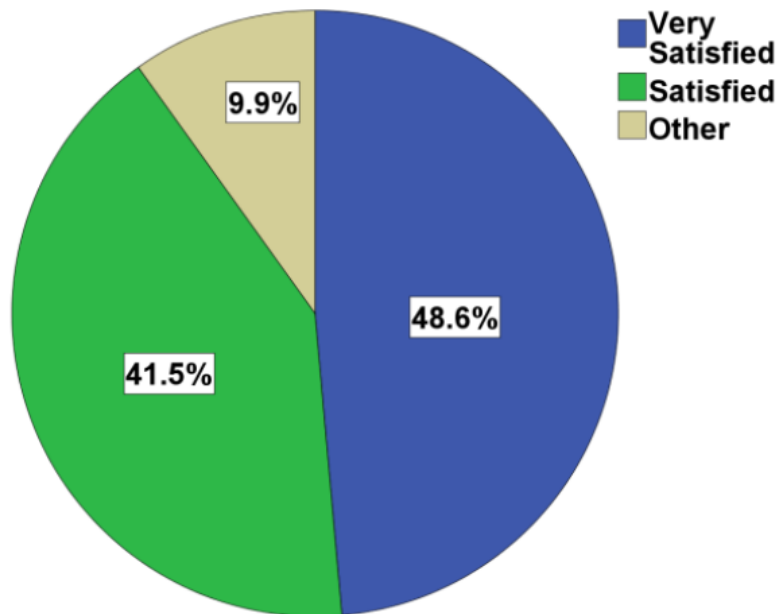
- Launchboard
- Strong Workforce Stars
 - ✓ Increase in wages
 - ✓ Attained a living wage
 - ✓ Employed in a job close to their field of study
- Vision for success – Goal 4

Who is the CTEOS sent to?

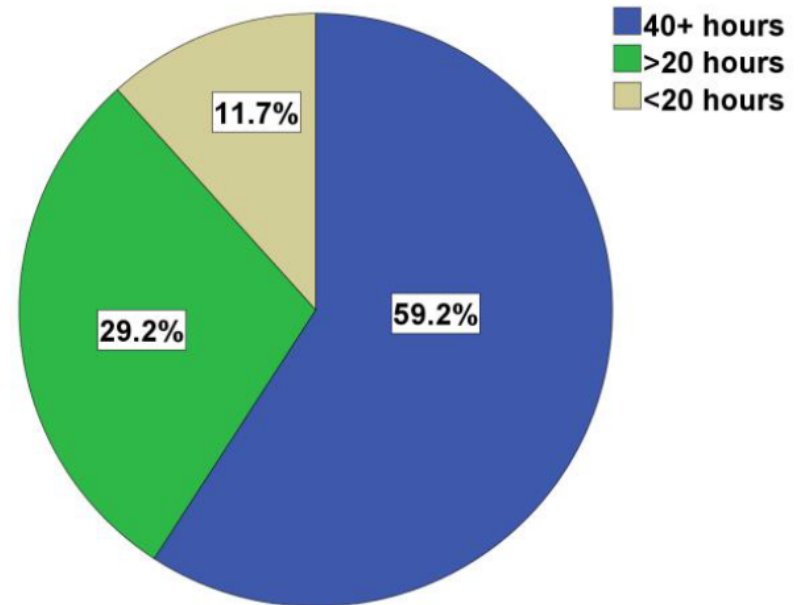
- **Completers:** Have received a vocational/CTE award that is Chancellor's Office approved and enroll in 0-5 units each semester the next year (not enrolled or only minimally enrolled).
- **Terminal Certificates:** Received a vocational/CTE award of at least 6 units that is not Chancellor's Office approved (such as certificates with less than 12 units) and are not enrolled the following year.
- **Skills Builders:** Have completed 9 units that are SAM coded A-D, with at least one course SAM coded A-C (within the prior 3 years), have not received a vocational/CTE award of 6 or more units, and are not enrolled the following year.

Standard Report

How satisfied are students with the education and training they received?

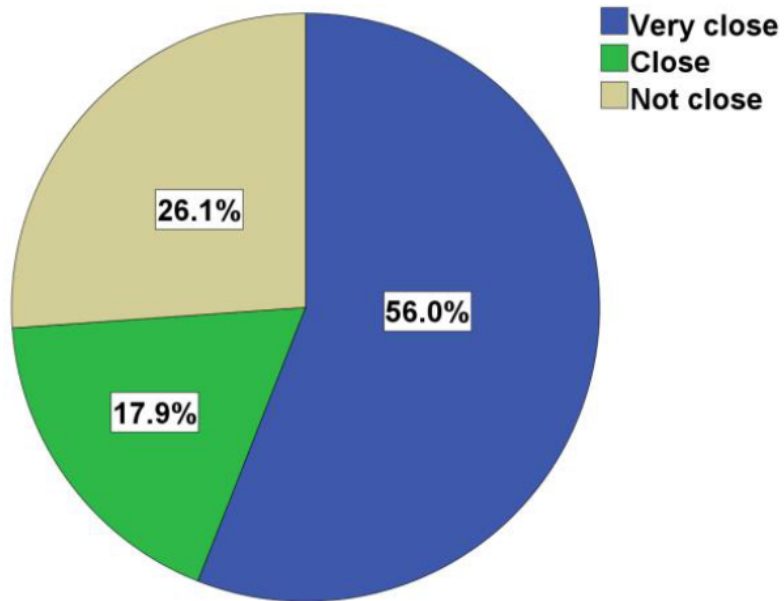


How many hours per week are employed students working?

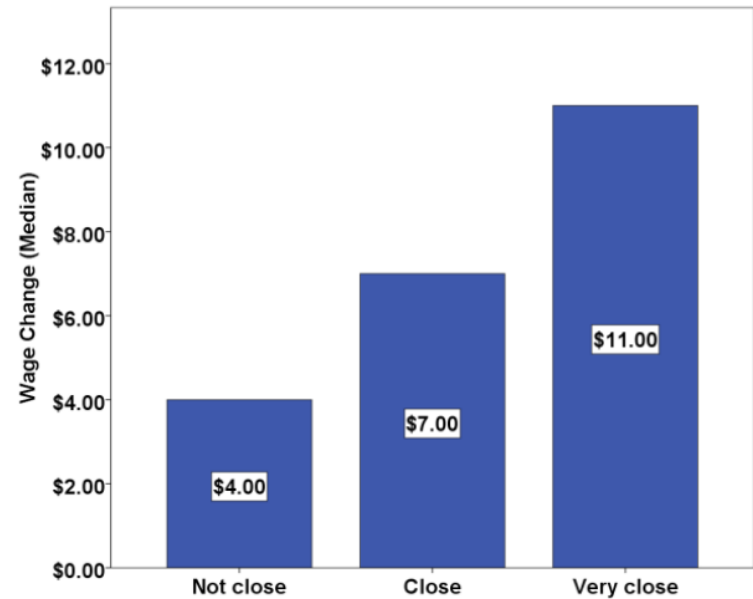


Standard Report

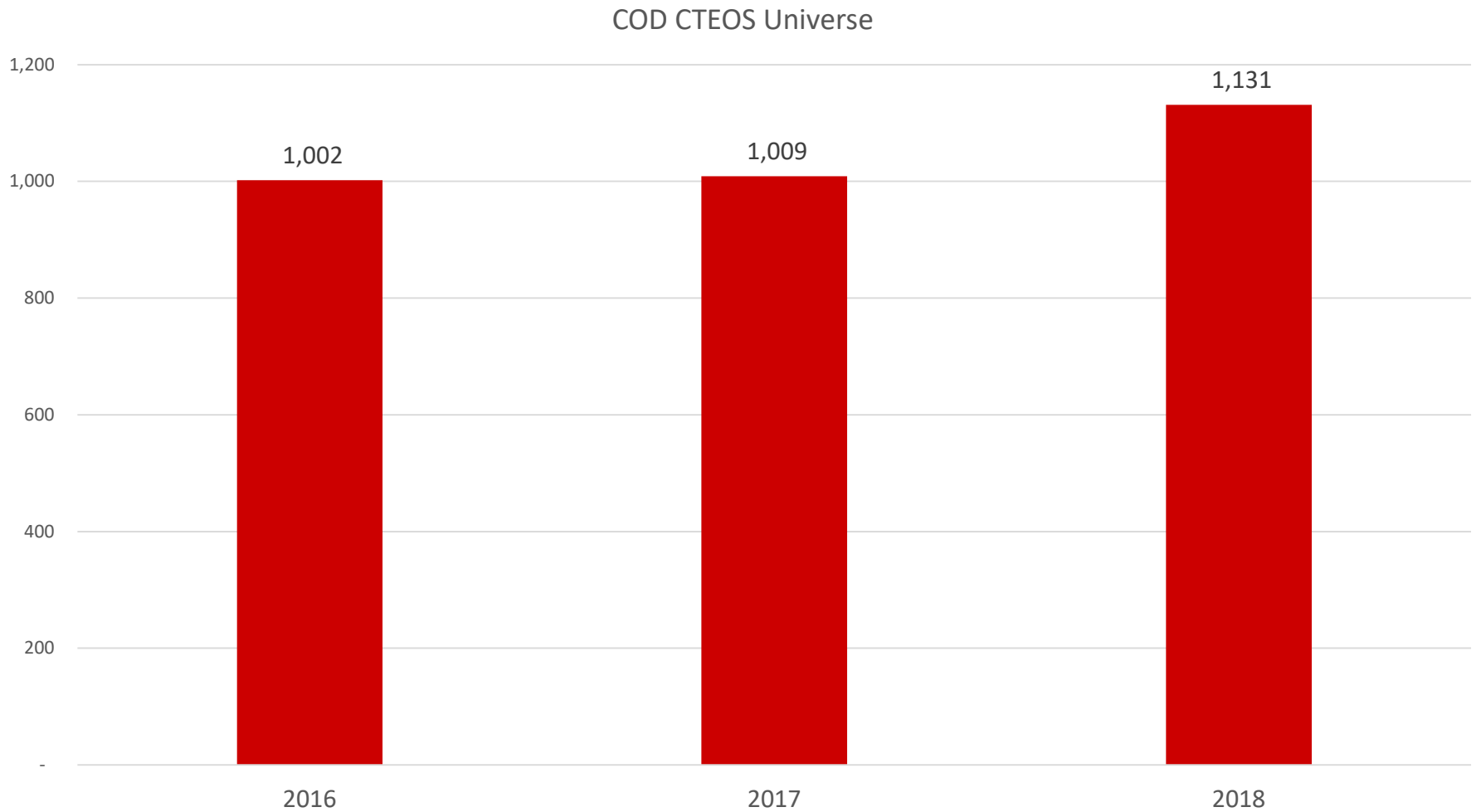
How many students secured a job that is closely related to their program of study?



Does the similarity between job and program of study influence wage gains?

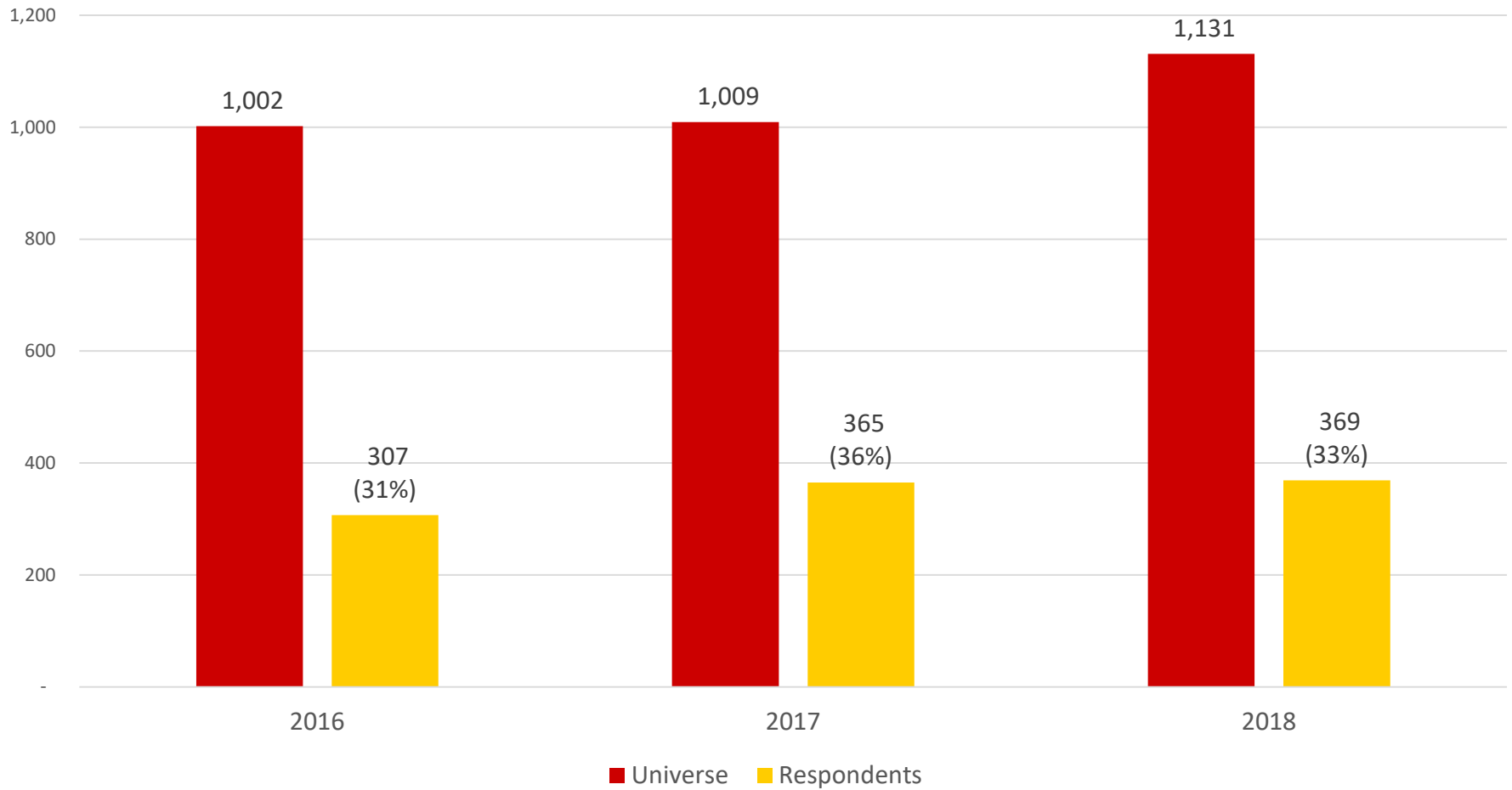


Who is the CTEOS sent to?

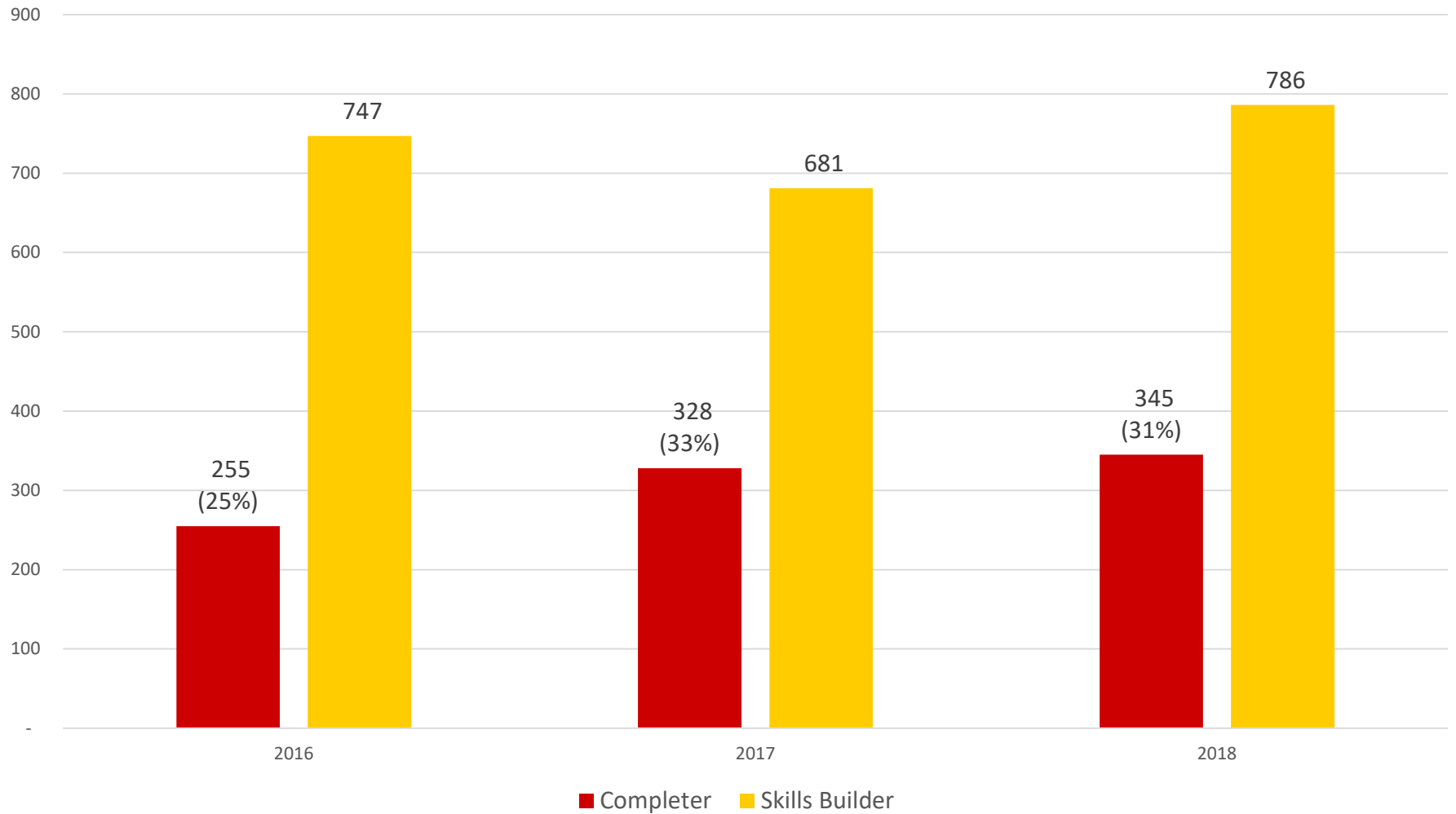


CTEOS at COD

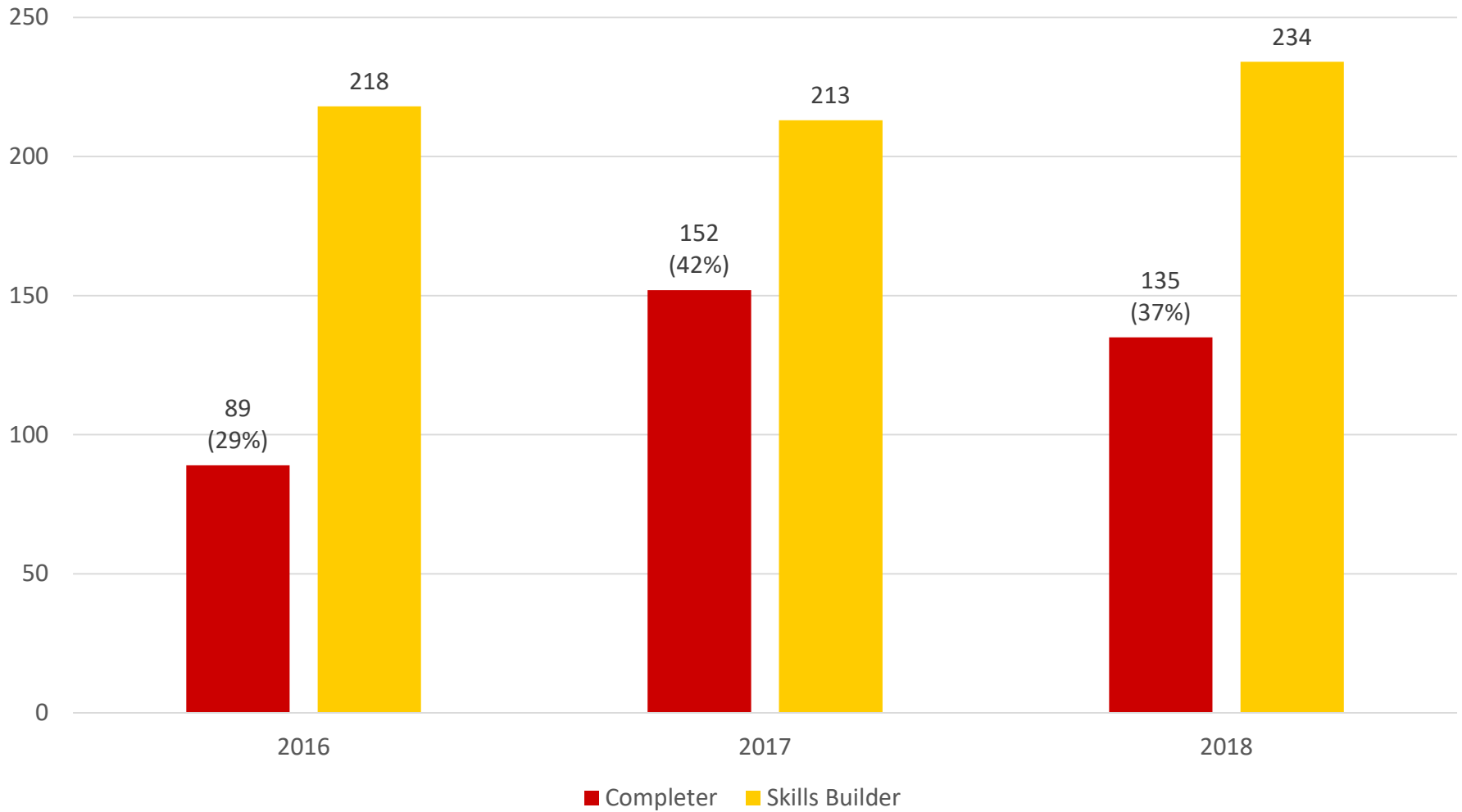
COD CTEOS Universe & Respondents



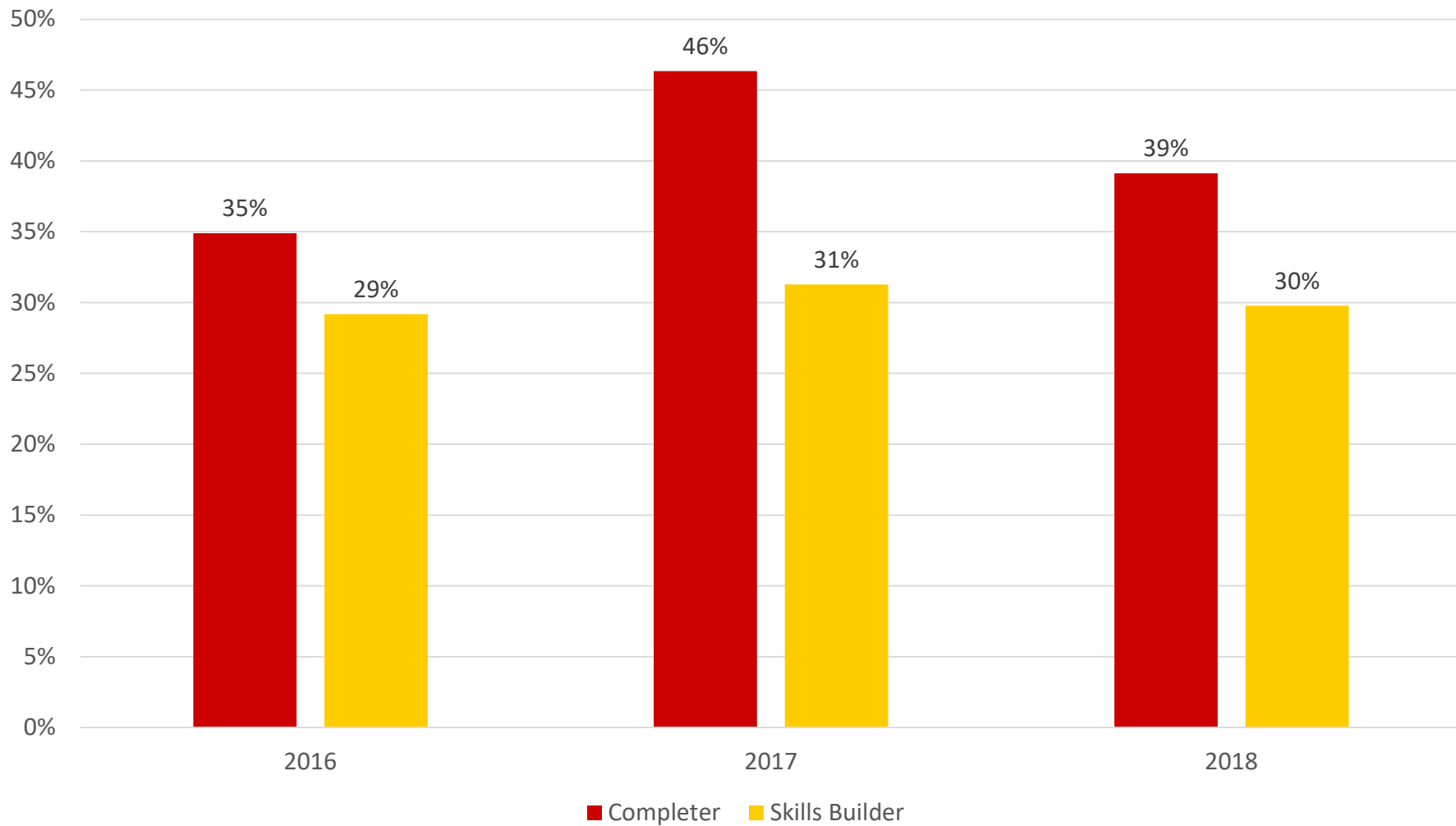
COD Completers & Skills Builders Universe



COD Response Rate by Student Type



Student Type Response Rate



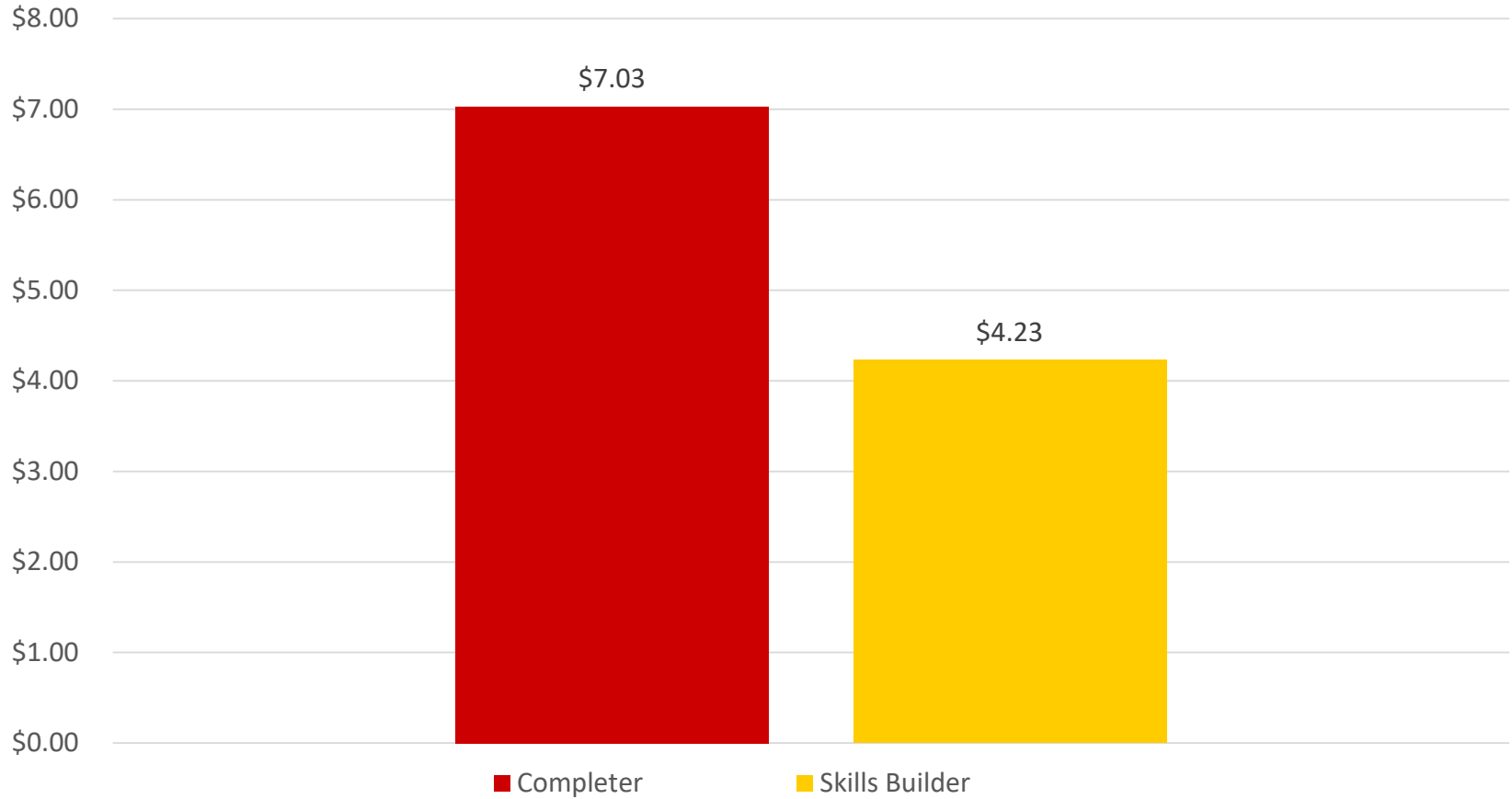
Strong Workforce Stars

Increase in earnings

Attained a living wage

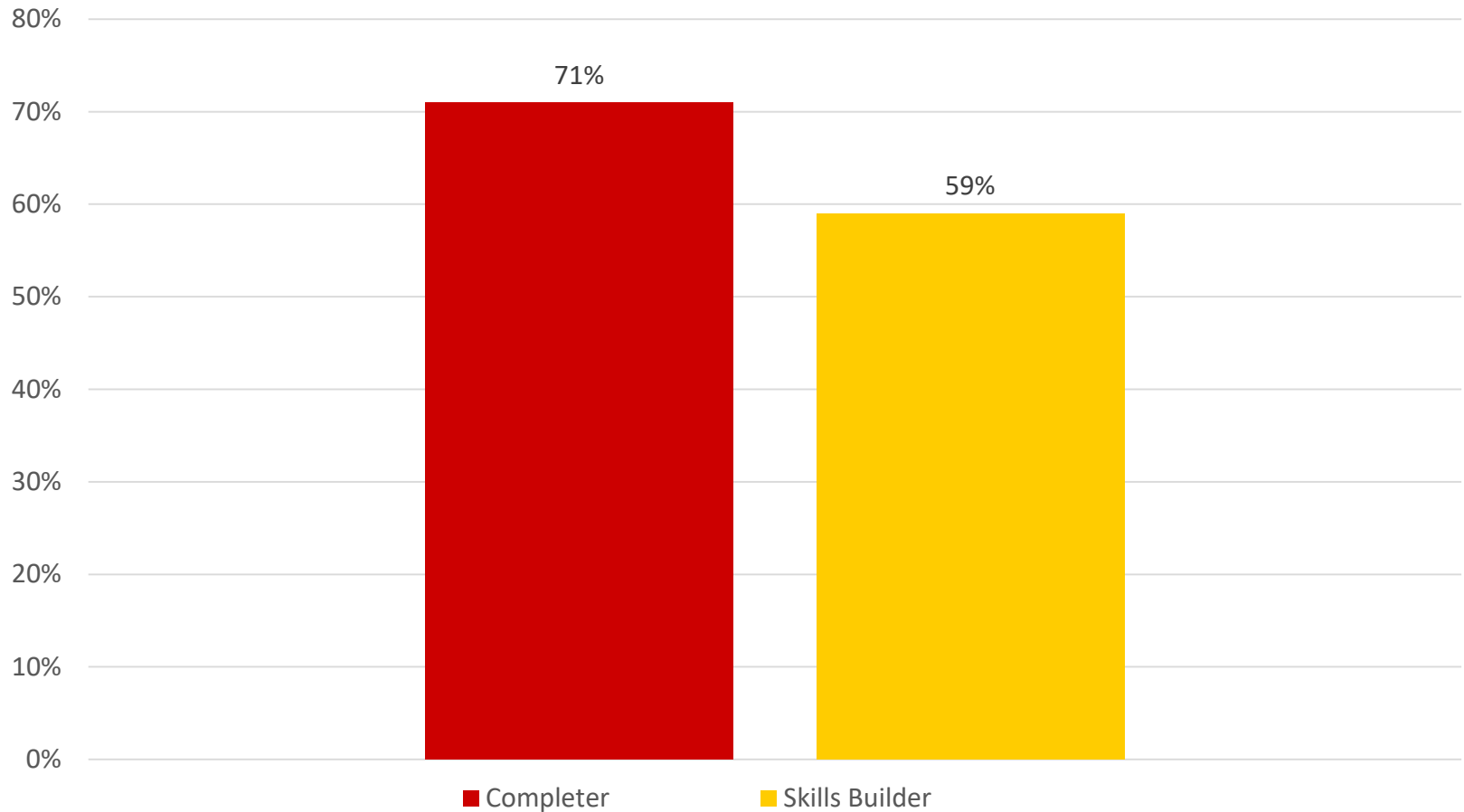
Employment in field of study

Wage Gain



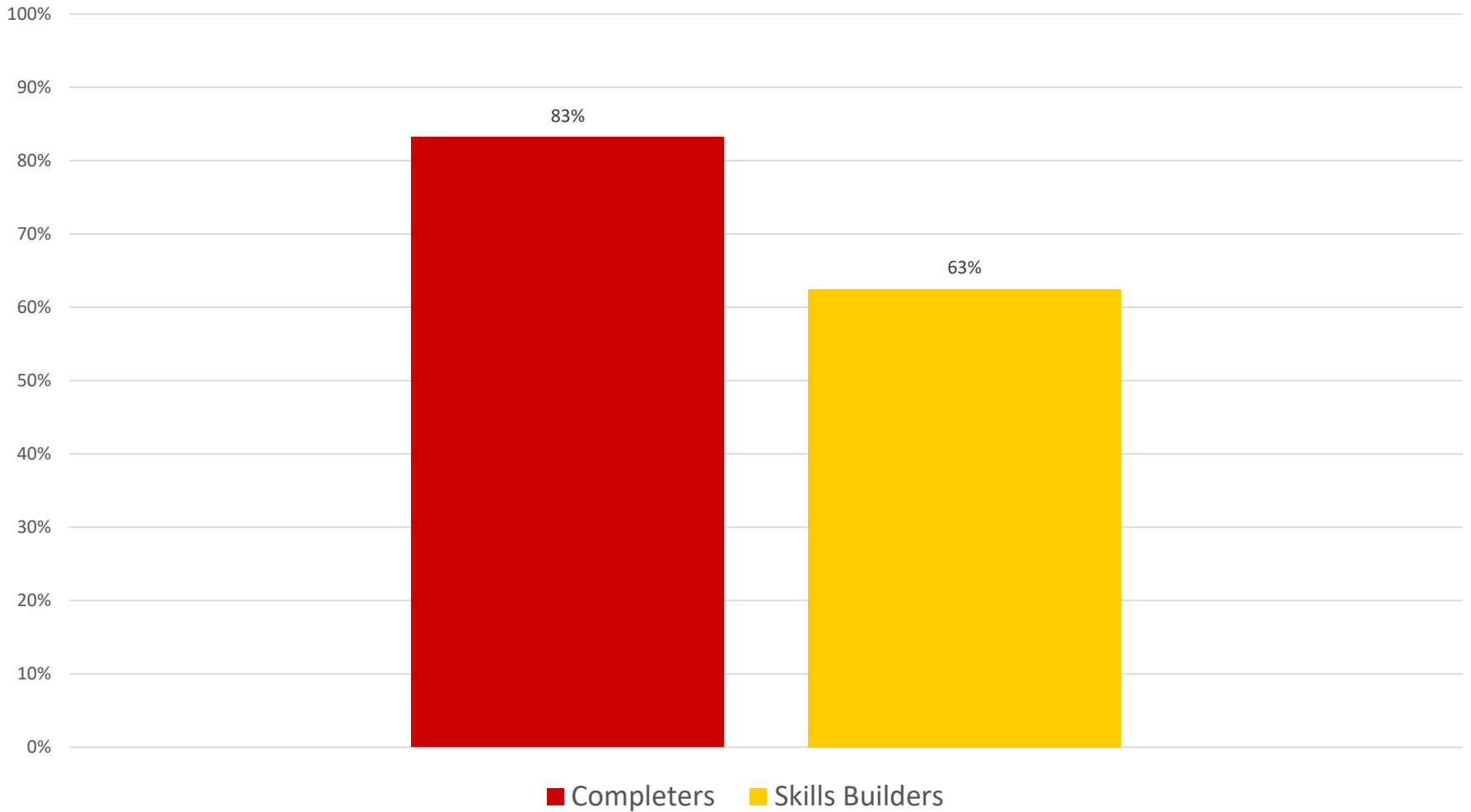
t=2.54, df=512, p<.05

Attained a Living Wage

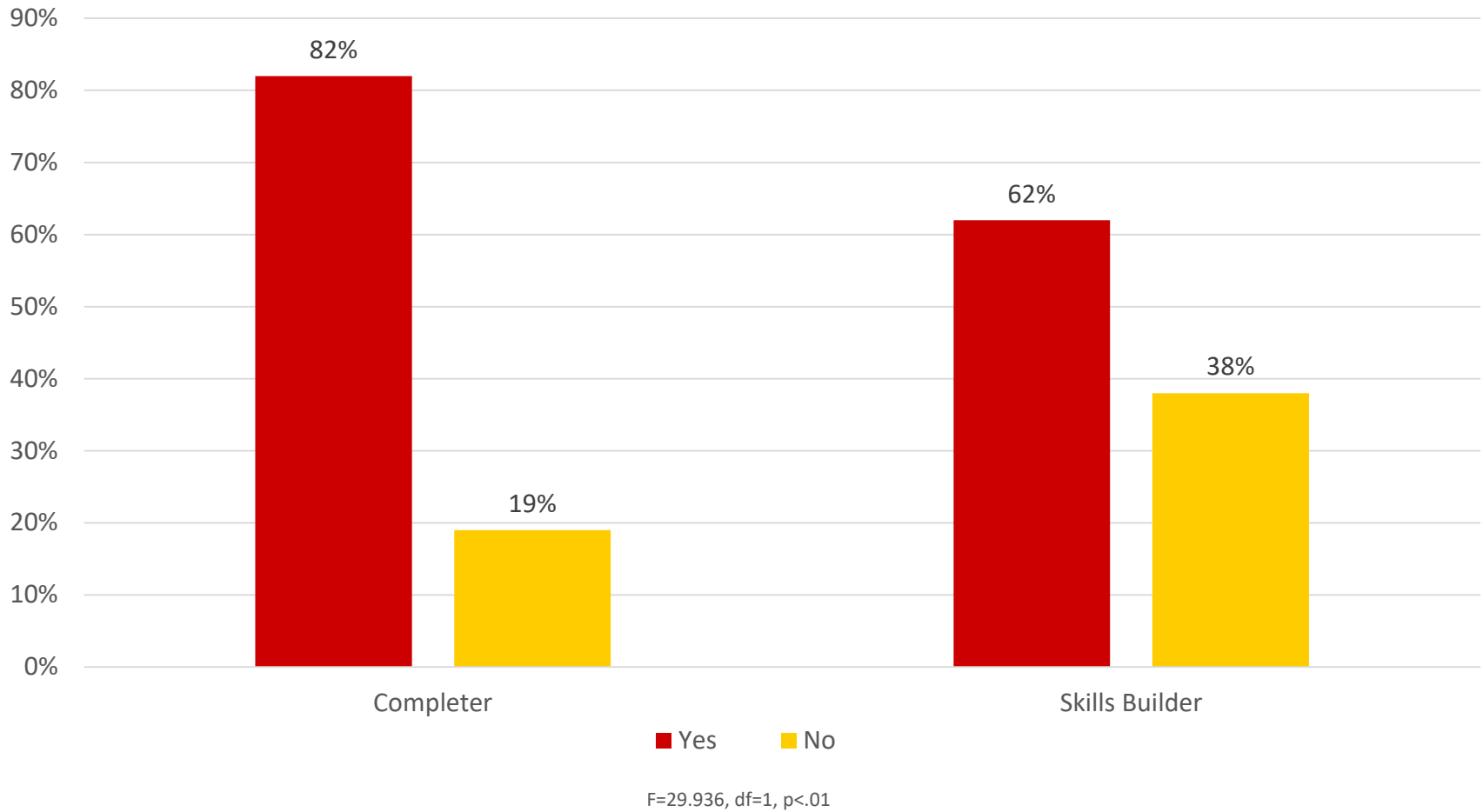


$t=3.218, df=715, p<.01$

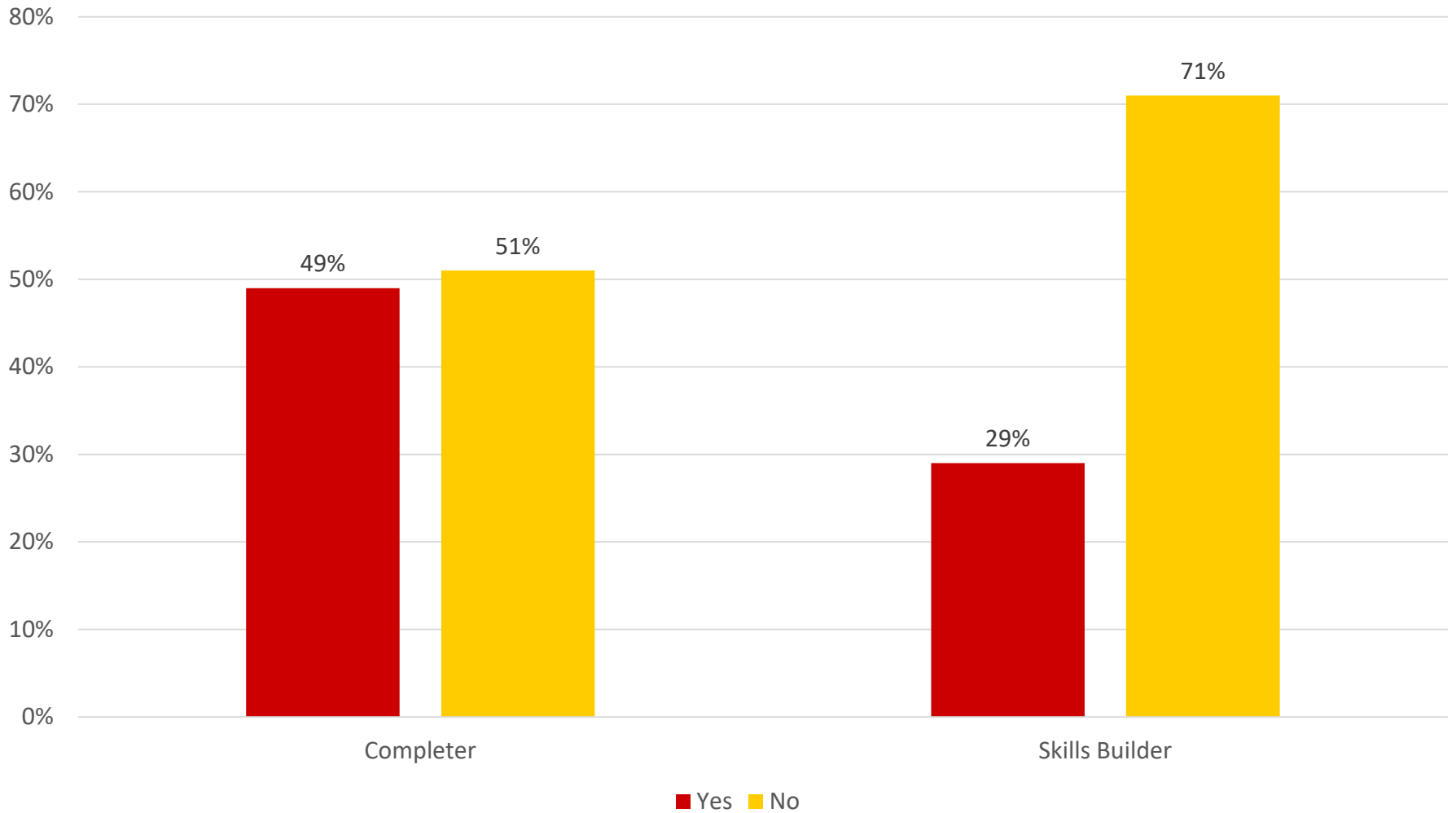
Working in Field



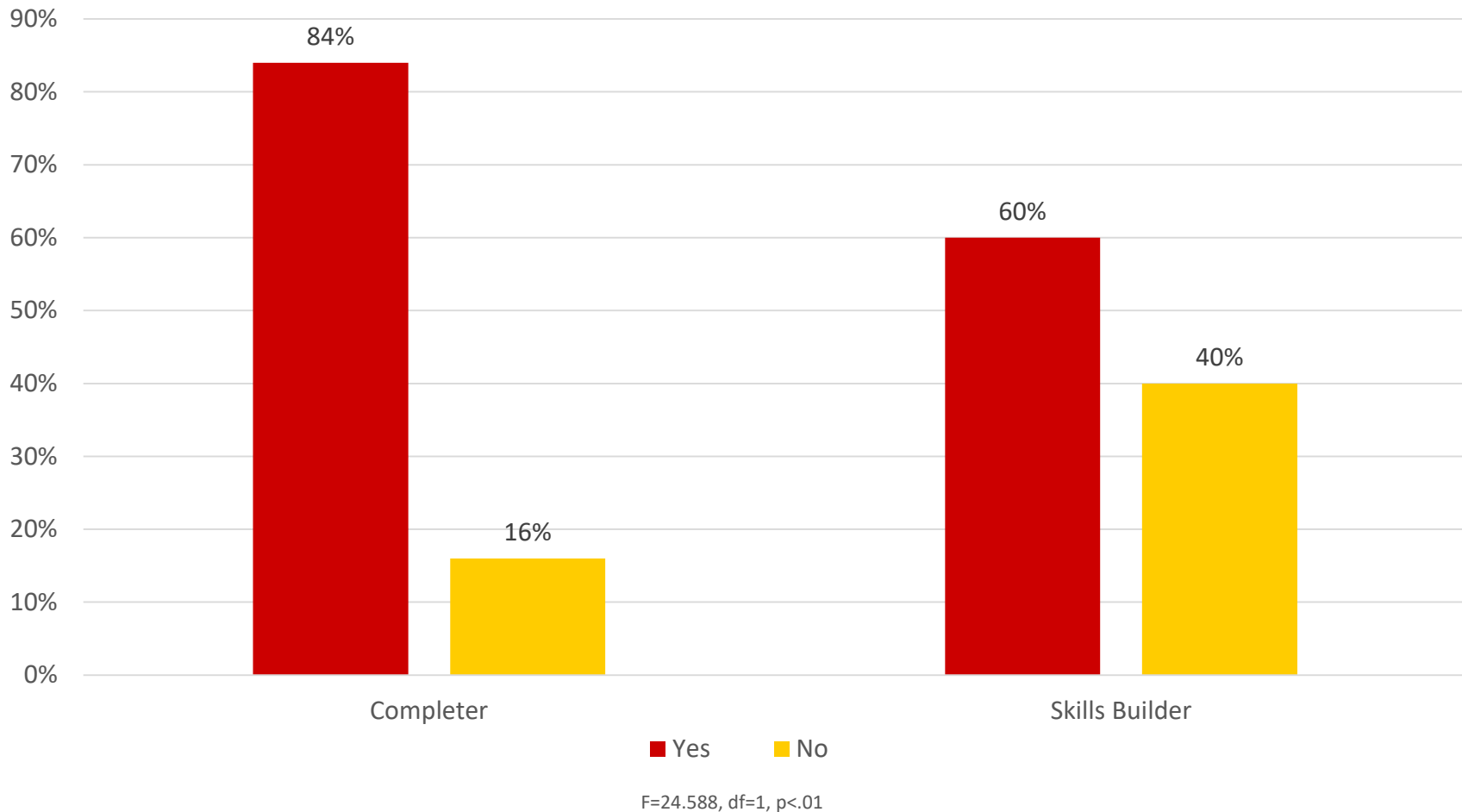
Working in Field



Working in Field (No Transfer)



Working in Field (No Transfer)



Recommendations

- Disaggregate completers and skills builders in ALL reports and visualizations
- Modify the “Working in the field of study” metric to give more weight to completers
- Continue the use of adding employment data from outside sources and begin to report that

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DESCRIPTION

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Predictive analytics are being utilized more and more frequently in higher education as we aim to determine ways we can better determine which students are likely to be successful on our campus. With holistic data becoming more readily available and advanced statistical techniques becoming more higher-education friendly, it's clear that innovative uses of data are not merely some passing fad. Yet, for campus stakeholders, figuring out ways to start making use of data and conducting predictive analyses can be a daunting task. In this bootcamp, we will work with live datasets together to determine

THANK

YOU!

