

Using labor market data to provide 360 support for students

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Outline

1. Data 101
2. Market Trends
3. Application



1. Data 101



Problem: Three Disjointed Spheres

People
(Family /
Home)

Higher Ed
(Education)

Businesses
(Work)



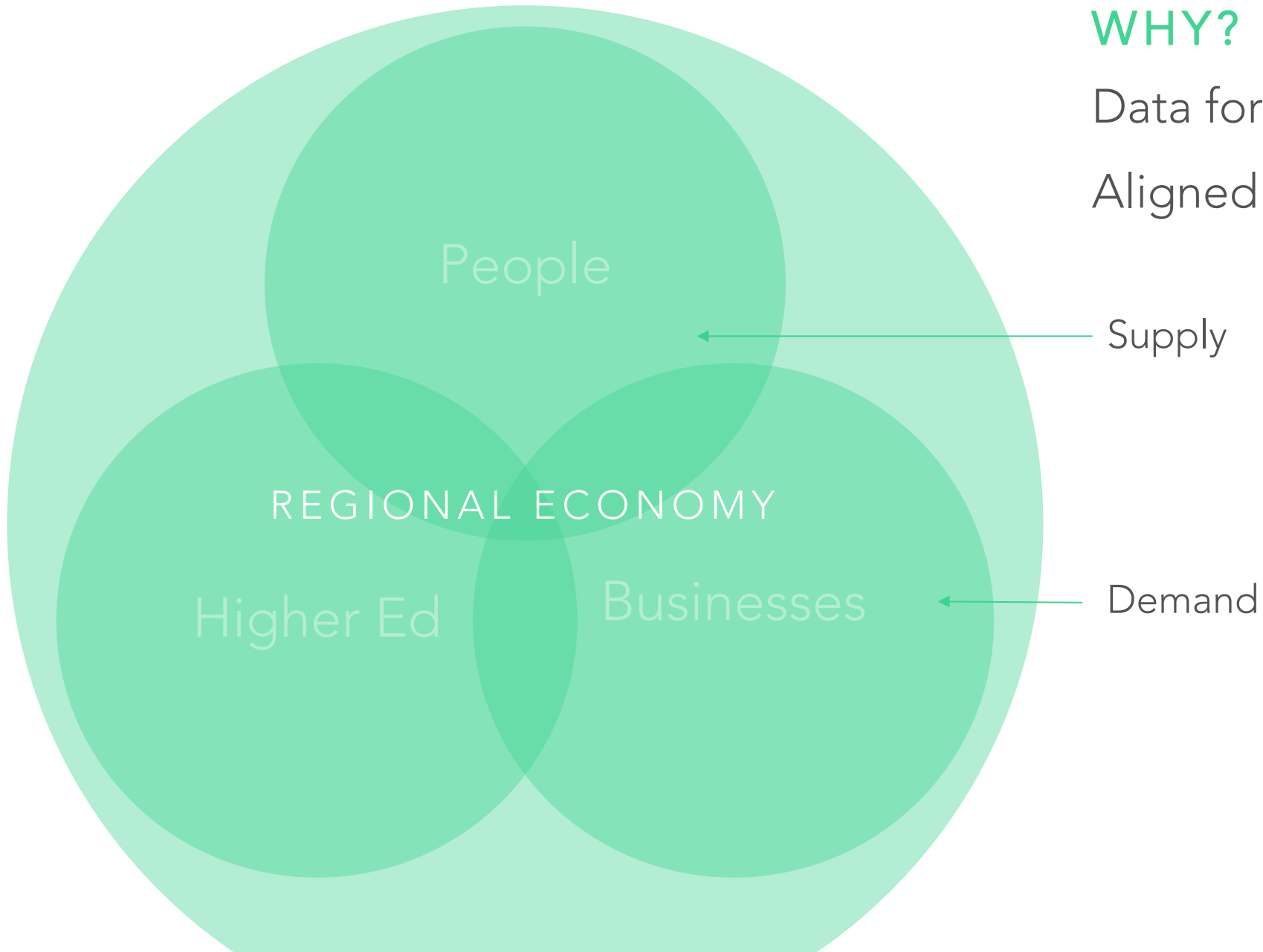


Emsi's Mission:
Labor market data to inform & connect people,
education, and work.



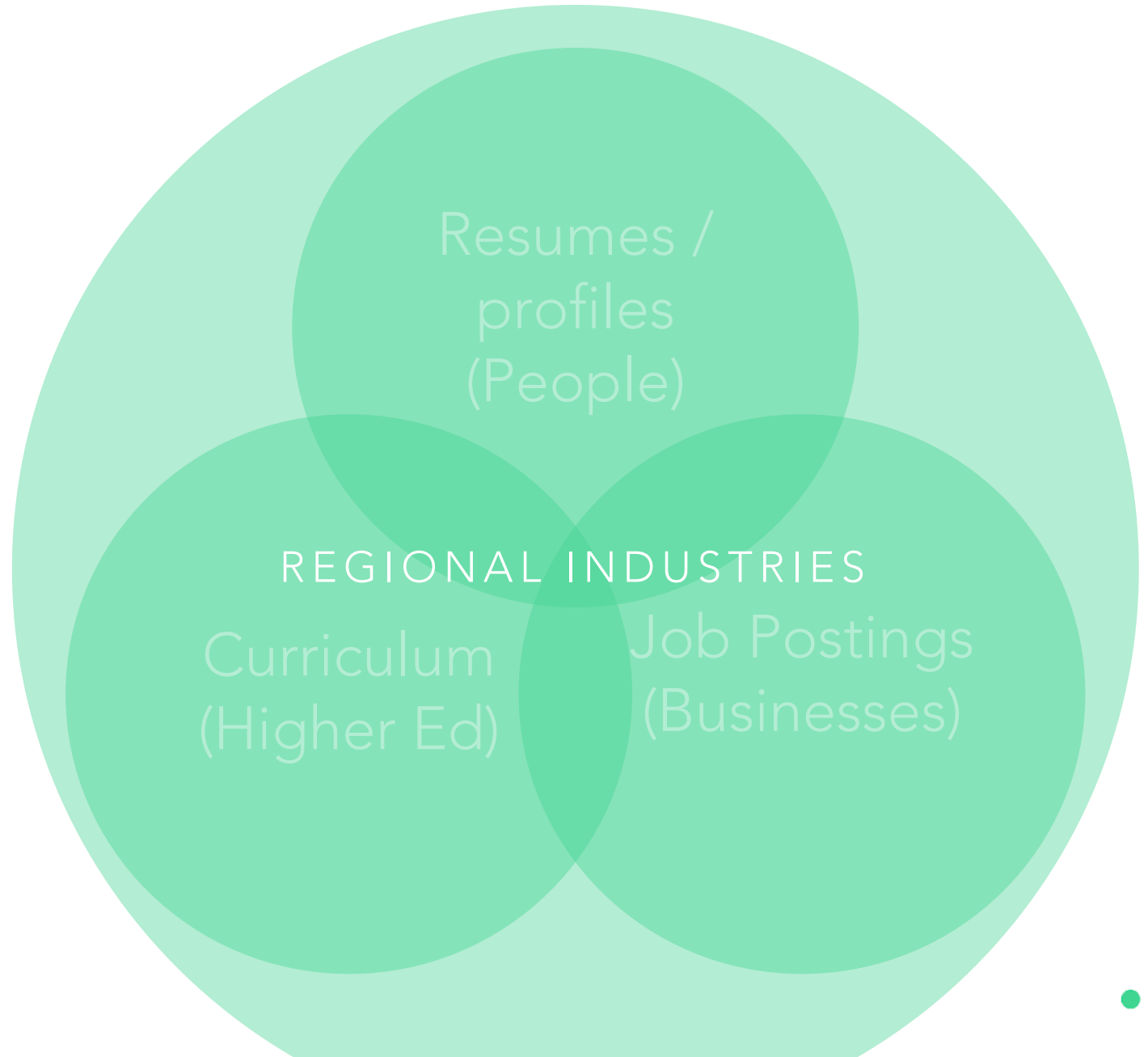
WHY?

Data for Economic Prosperity –
Aligned Economic Ecosystems



HOW?

How does the data work?



What? Labor Market Dynamics

Local Labor Market

- Total employment
- Growth / Change
- Compensation
- Demographics

Supply

- *Locations*
- *Employers*
 - *Jobs*
 - *Skills*

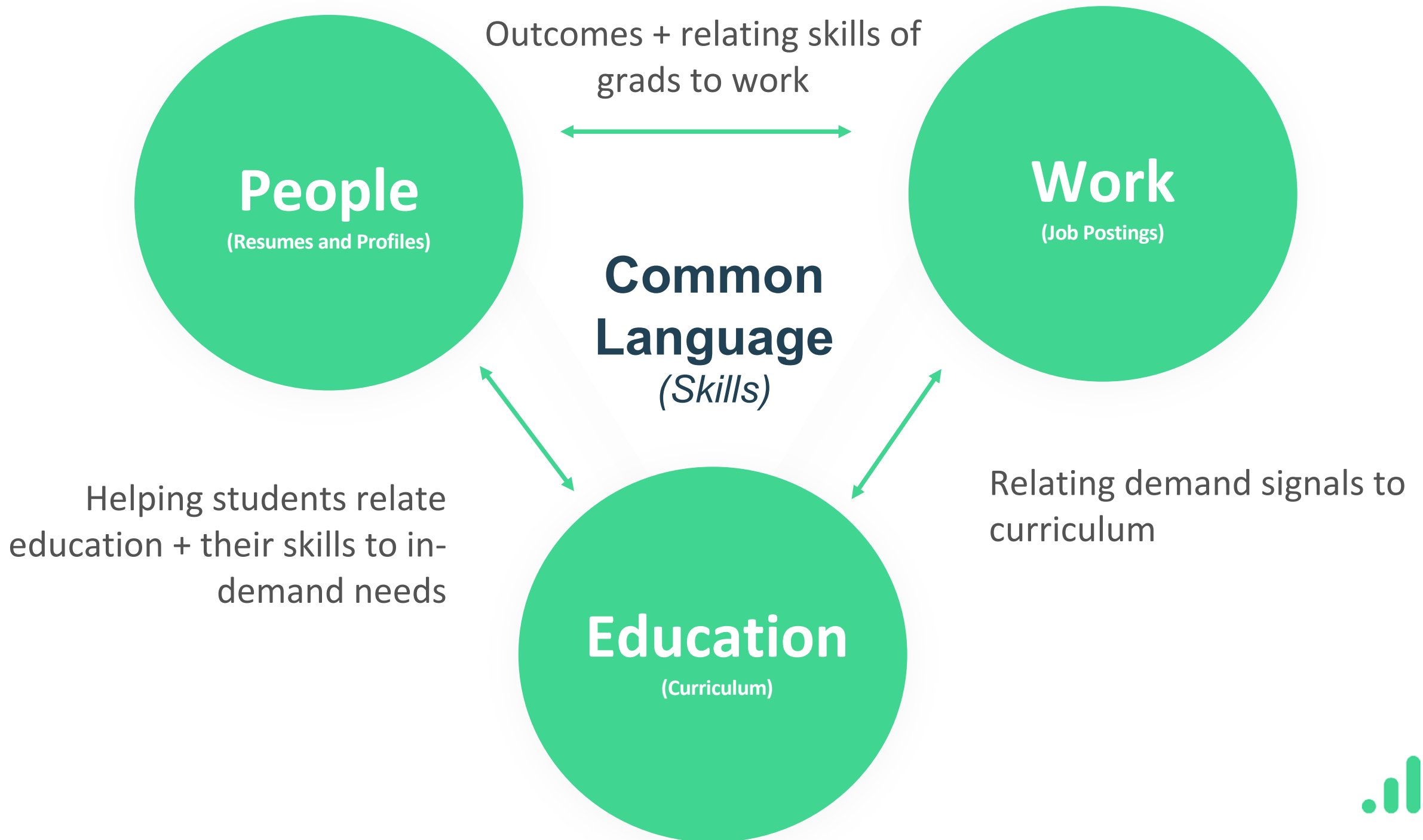
Education and Training

- *Courses*
- *Student data*
- *Learning outcomes*
- *Skills/Knowledge*

Demand

- *Locations*
- *Employers*
 - *Jobs*
 - *Skills*





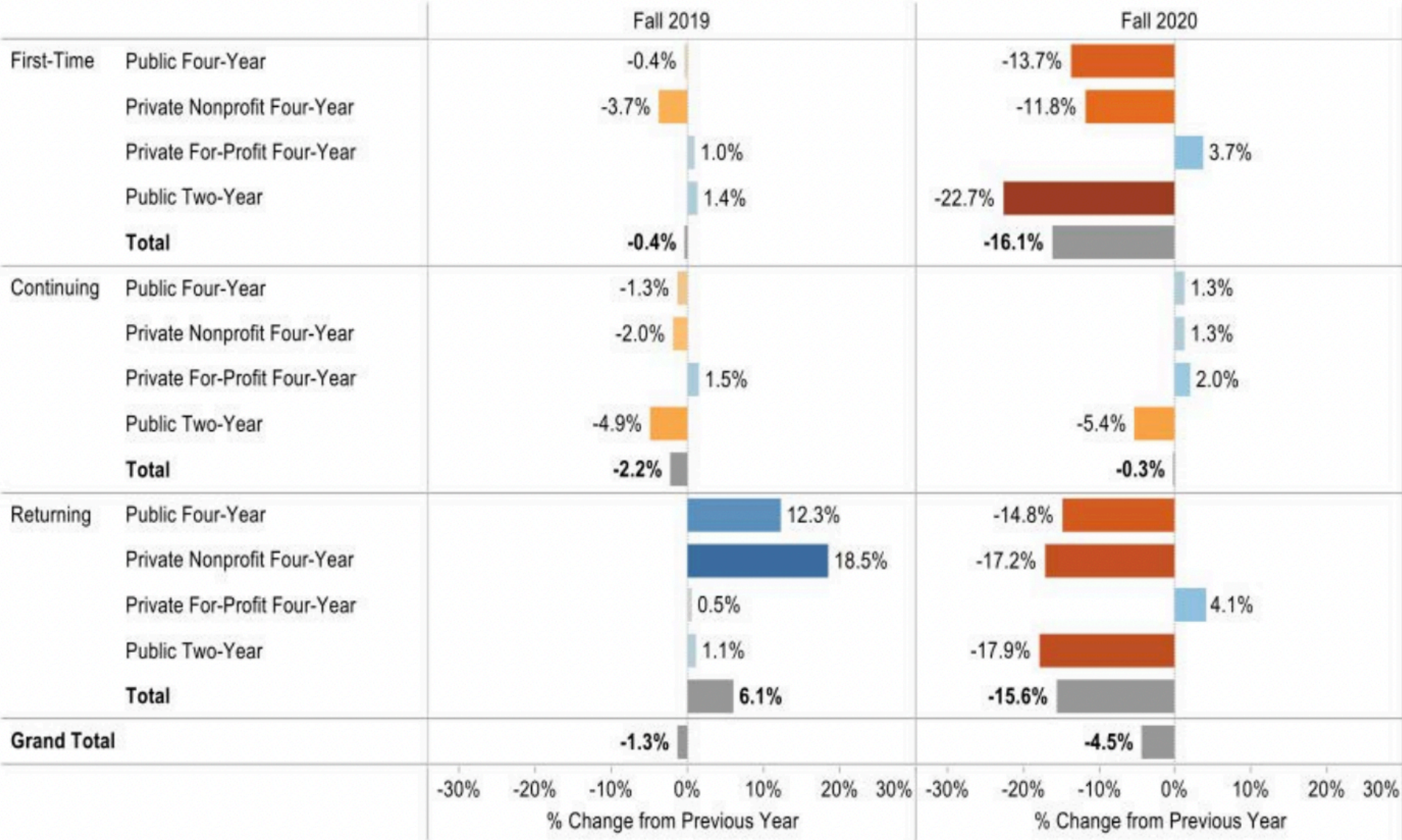
2. Market Trends



First time
enrollment
down 16%

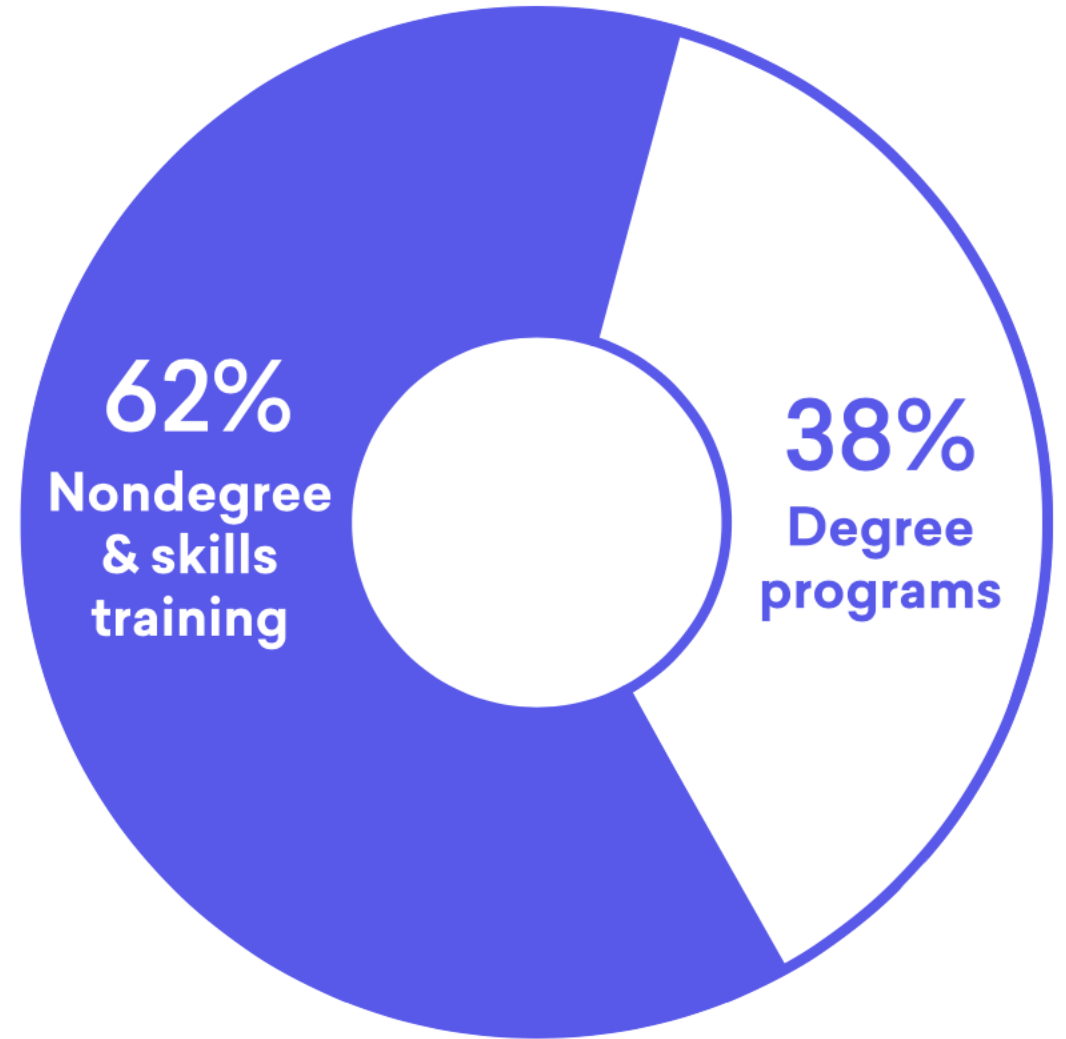
Returning
students
down 16%

Figure 1. Change in Undergraduate Enrollment by Student Group and Institution Sector



Americans strongly prefer nondegree programs and skills training over degree programs

2020 Public Viewpoint Survey -
Strada Center for Education Consumer Insights

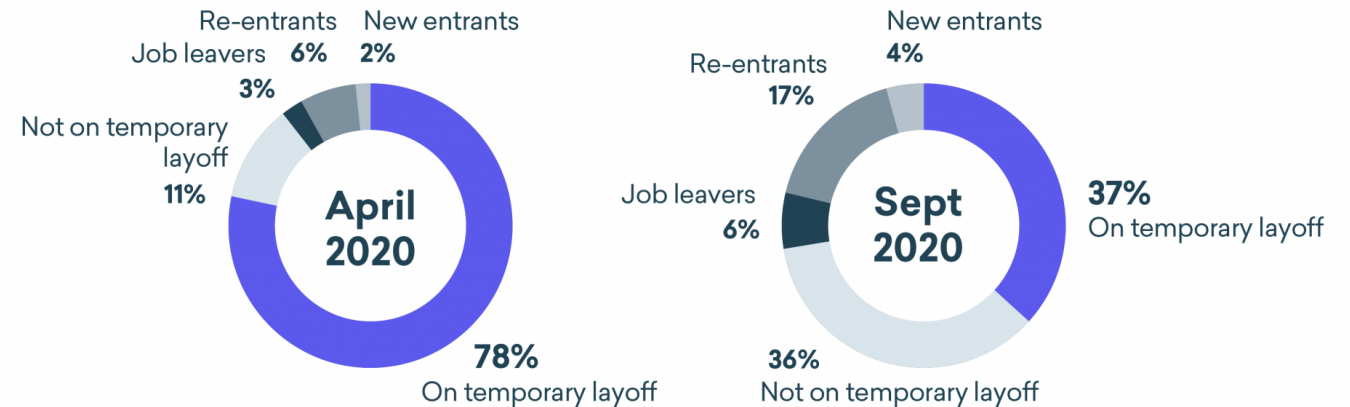


But...

The Covid Paradox: High unemployment + Low labor force participation + Unfilled positions

1. Furloughs
2. Gov assistance
3. Kids are home
4. Fear

Reason for unemployment



Labor market impacts

- Hospitality crushed
- Remote work growing
- ... but you already knew that



7 key sectors struggle to find people

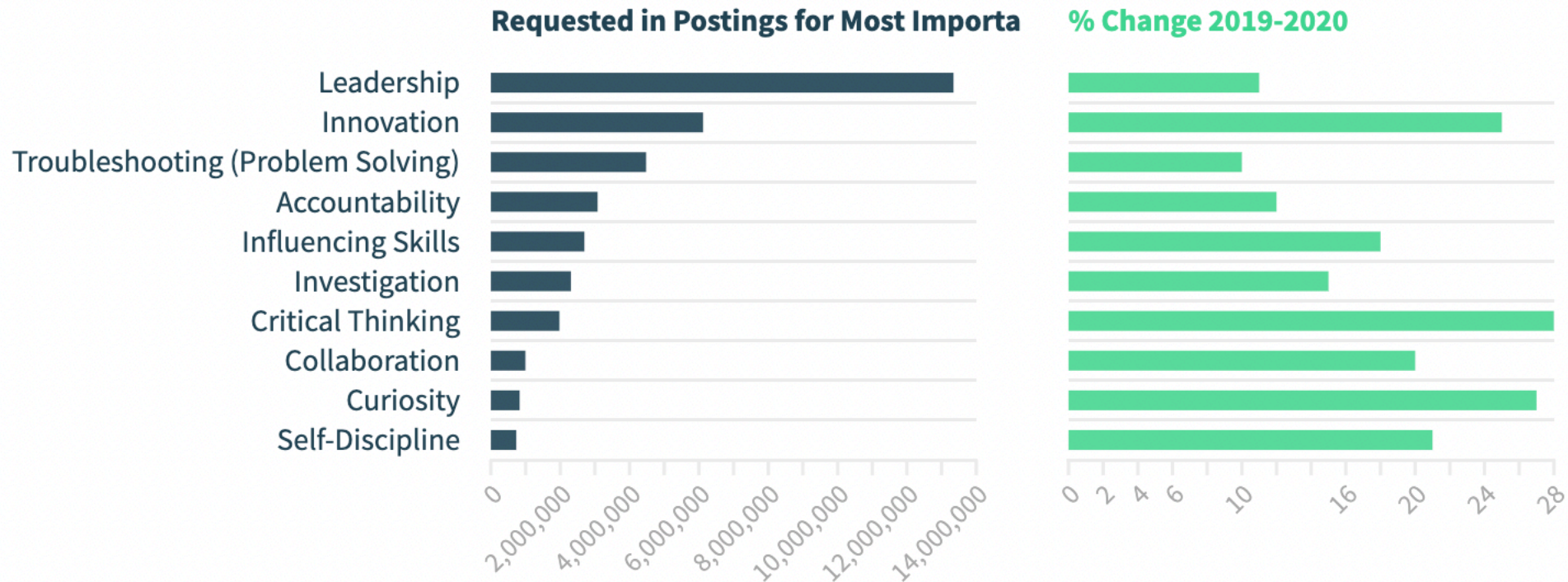
- Logistics
- Healthcare
- Tech
- Business functions (sales, marketing, CS, finance, HR, operations)
- Education (esp jobs related to mental health and adjuncts)
- Skilled trades
- Public safety

Source: <https://www.economicmodeling.com/2021/01/22/most-important-jobs-for-2021/>



Many skills are in short supply

Top 10 Human Skills



Source: Emsi job posting analytics



3. Application:

How do we help learners and their teachers/helpers know these things?

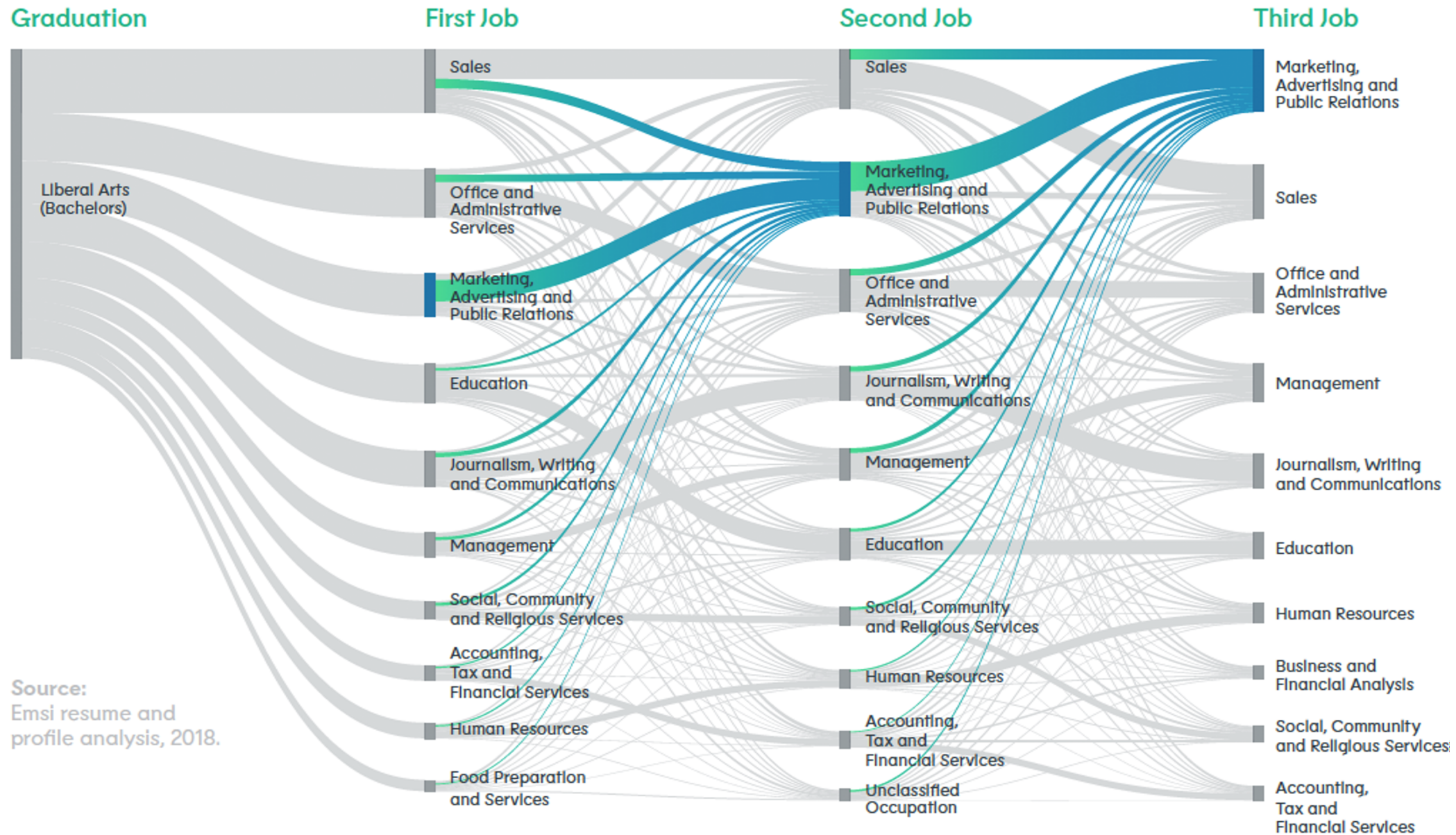


Steps to knowing

1. Understand outcomes and the connection between education and career
2. Relate skills to courses
3. Understand interest + where people have skills
4. Show people opportunity

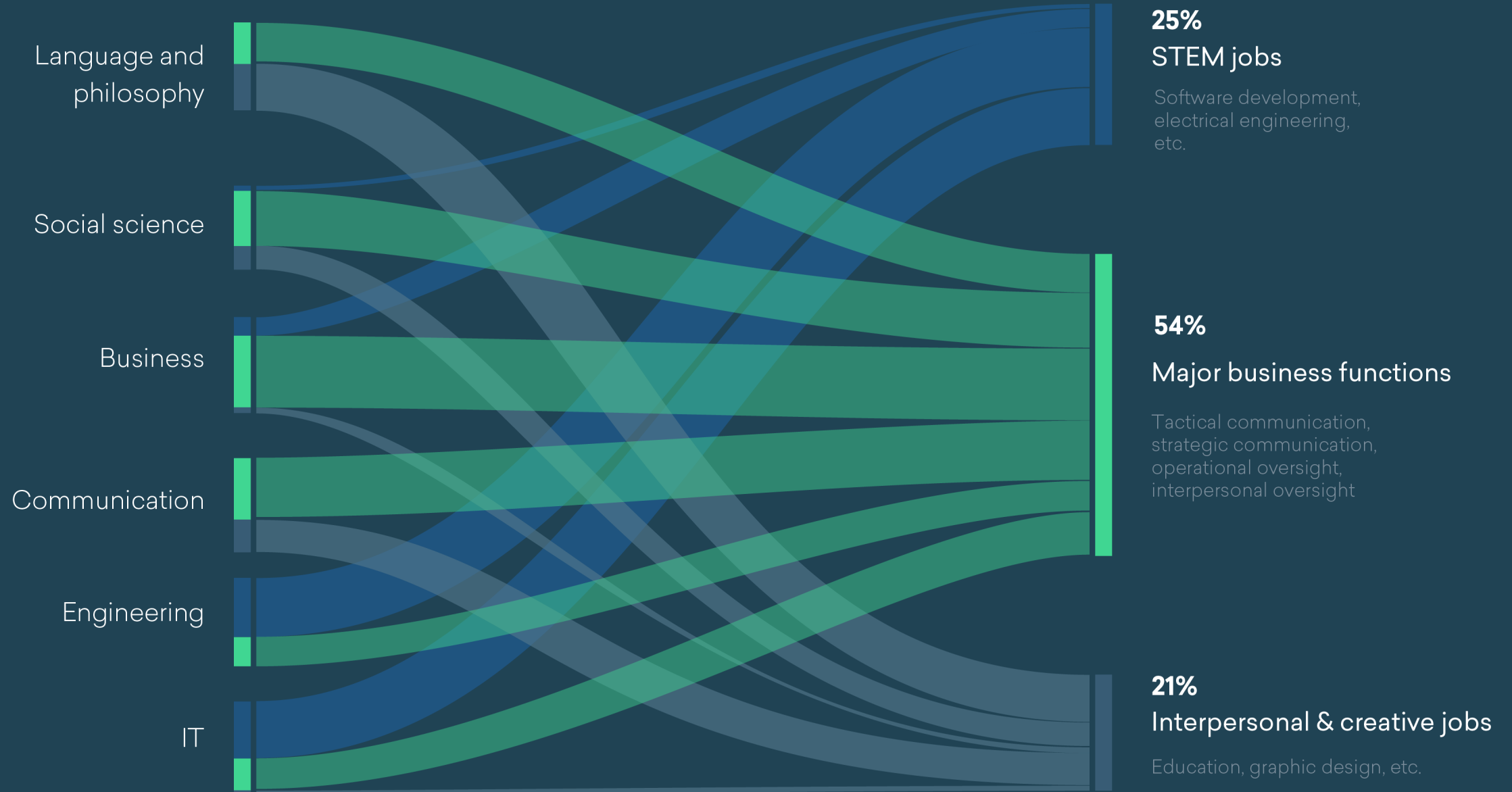


1. Labor market outcomes (liberal arts grads)



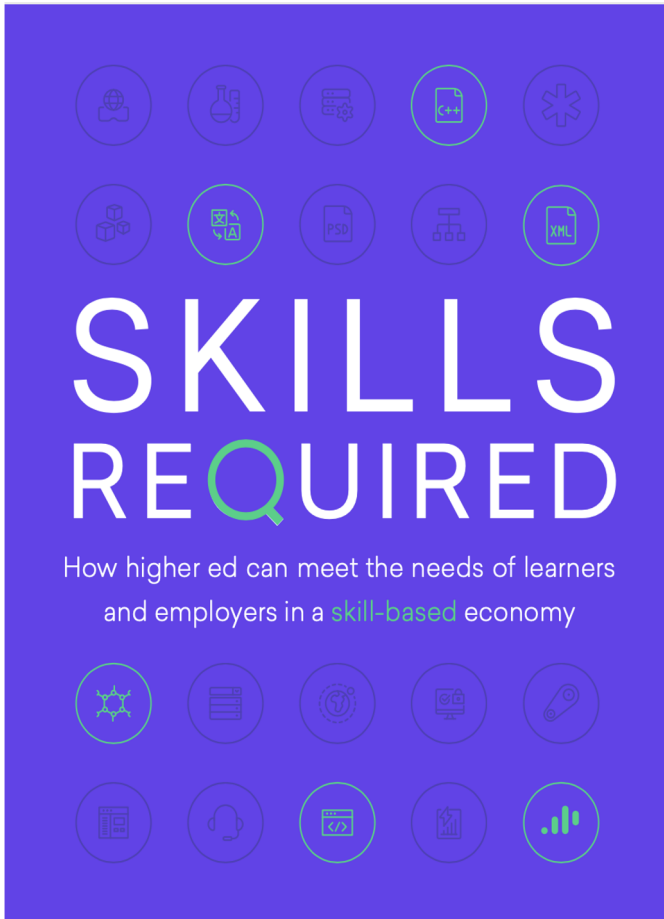
54% of top outcomes are in major business functions

 **Emsi** PROFILE ANALYTICS, 2019



2. Relate skills to courses

The key is to create better relationships between your programs and market demand

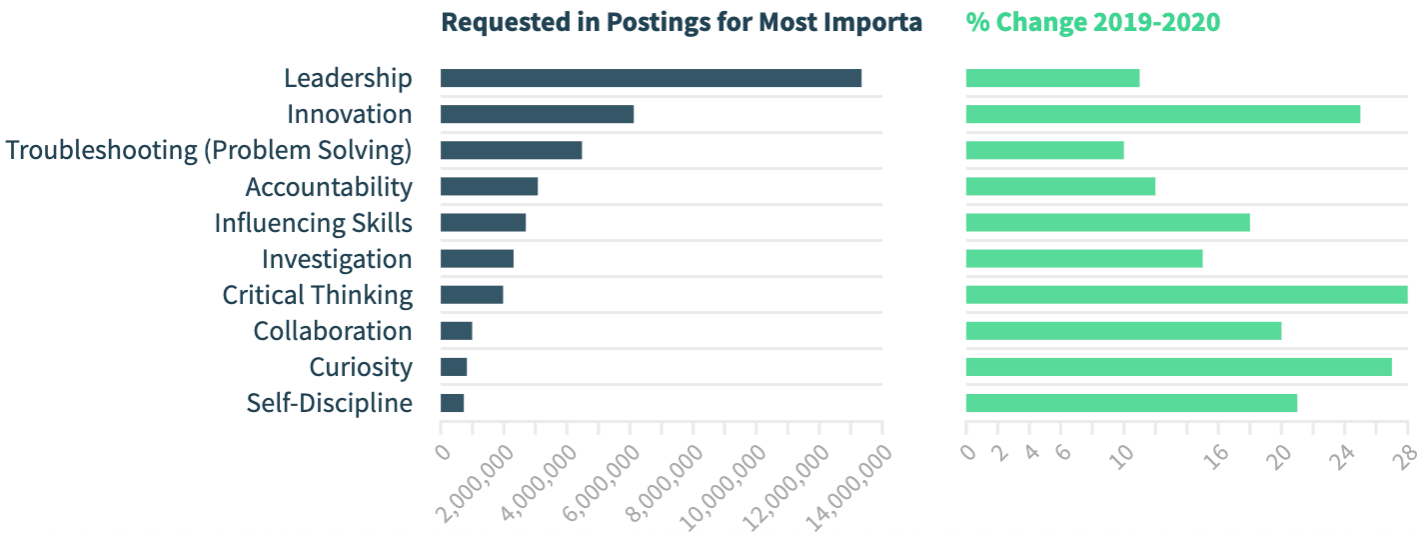


- **Employers post** jobs w/ lots of skills
- **Jobseekers create** online profiles/resumes with more thorough skill descriptions to market themselves
- **“Skillify”** – to translate curricular content into the skills-based language of the modern labor market.
 - The goal is to improve the relevancy of existing or new programs
 - This allows educators to constantly scan the environment for opportunity and alignment



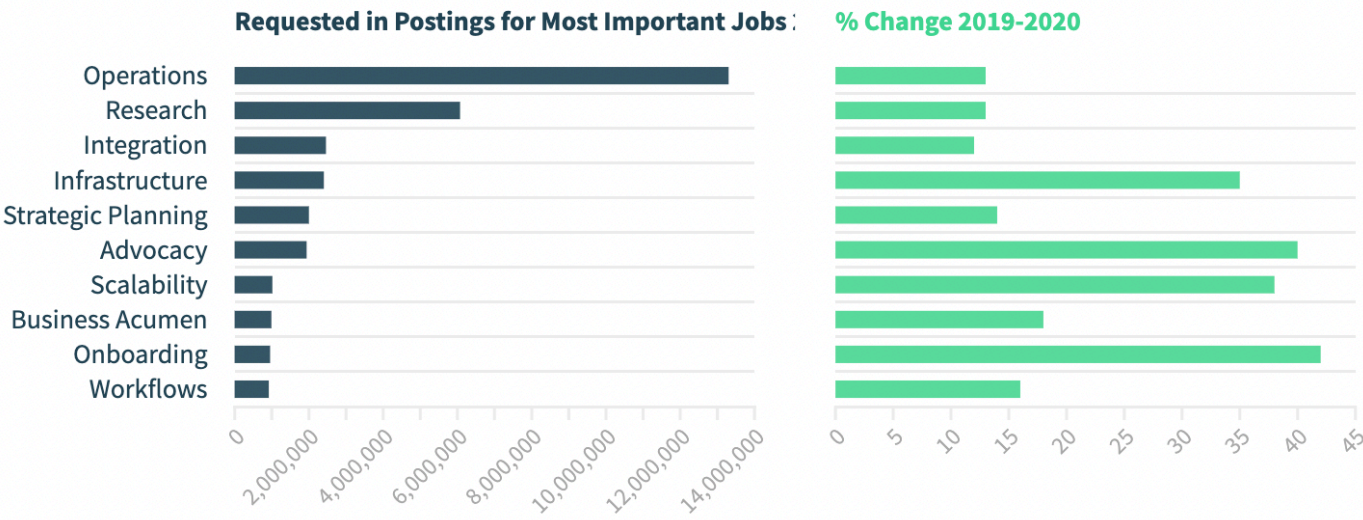
Employer's demand signals

Top 10 Human Skills



Top 10 Hybrid Skills

These are where human and technical skills overlap. It was hard to label these skills either *human* or *technical*, so we cheated and created a third category.



Skillabi – Relate what is taught to what is sought

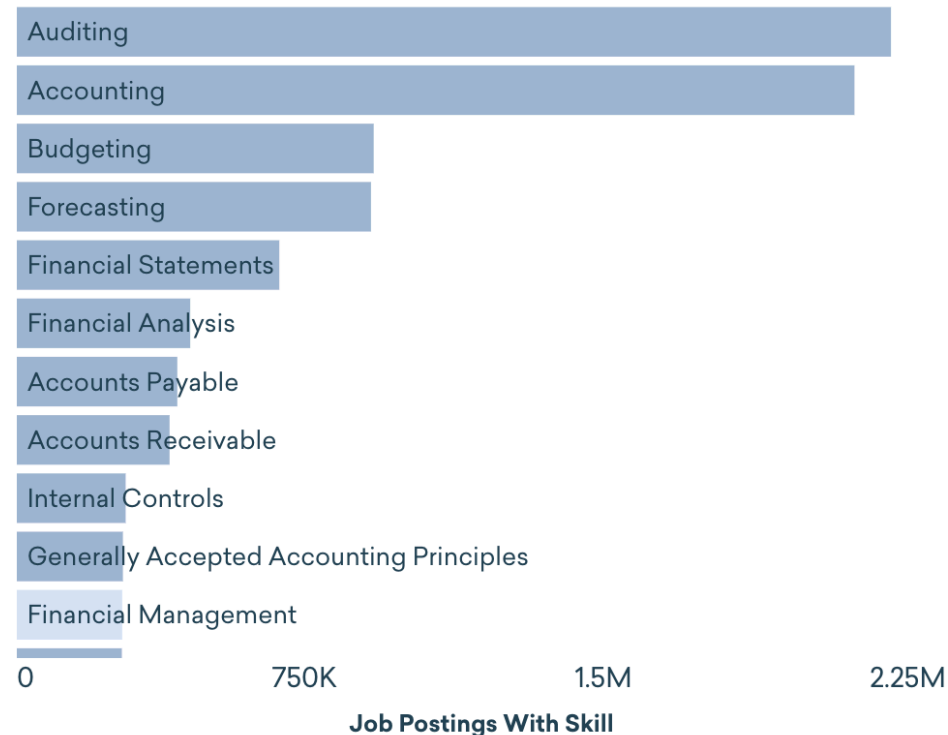
Market Alignment ?

[Collapse Section](#) ^

📍 Region: *United States* [Edit](#)

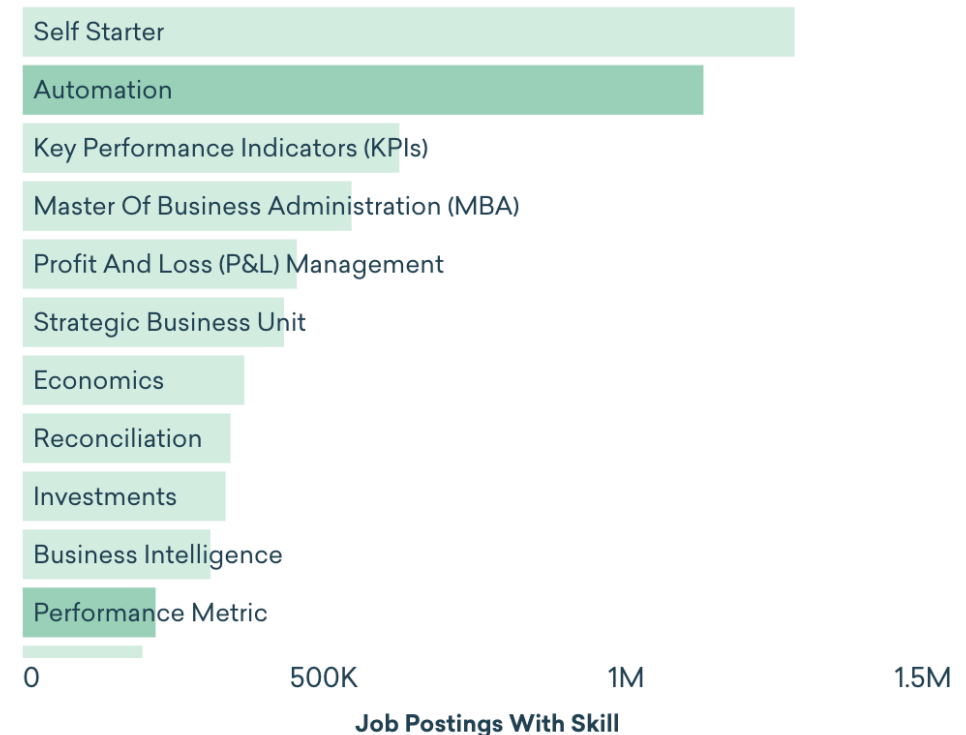
Taught Skills Aligned With Target Outcomes ?

■ Taught in this group and other groups ■ Taught only in this group



Skills to Consider Teaching Based on Target Outcomes ?

■ Taught in other groups ■ Not taught in any groups



Skills of language and philosophy graduates



3. Understand interest and where people have skills

- Interest + skills will help colleges and learners end up in the best possible spot
- Students need to hear this from faculty, career centers, and others they trust to help them
- Help students understand where what they are learning applies



Careers that line up to someone with a background in research and technical writing (skills often associated with the liberal arts)

Career Areas Matched to You



Journalism, Writing and Communications

With emphasis on
Technical Writing / Technical Documentation /...

Match Score ★ ★ ★ ★ ☆

[View Details →](#)



Surveying and Mapping

With emphasis on
Geographic Information Systems / ArcGIS (GIS...)

Match Score ★ ★ ★ ★ ☆

[View Details →](#)



Marketing, Advertising and Public Relations

With emphasis on
Public Relations / Social Media / Writing

Match Score ★ ★ ★ ★ ☆

[View Details →](#)



Journalism, Writing and Communications

With emphasis on
Public Relations / Press Releases / Media...

Match Score ★ ★ ★ ☆ ☆

[View Details →](#)



Journalism, Writing and Communications

With emphasis on
Social Media / Search Engine Optimization / Adobe...

Match Score ★ ★ ★ ☆ ☆

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Office and Administrative Services

With emphasis on
Writing / Punctuation / Tactfulness

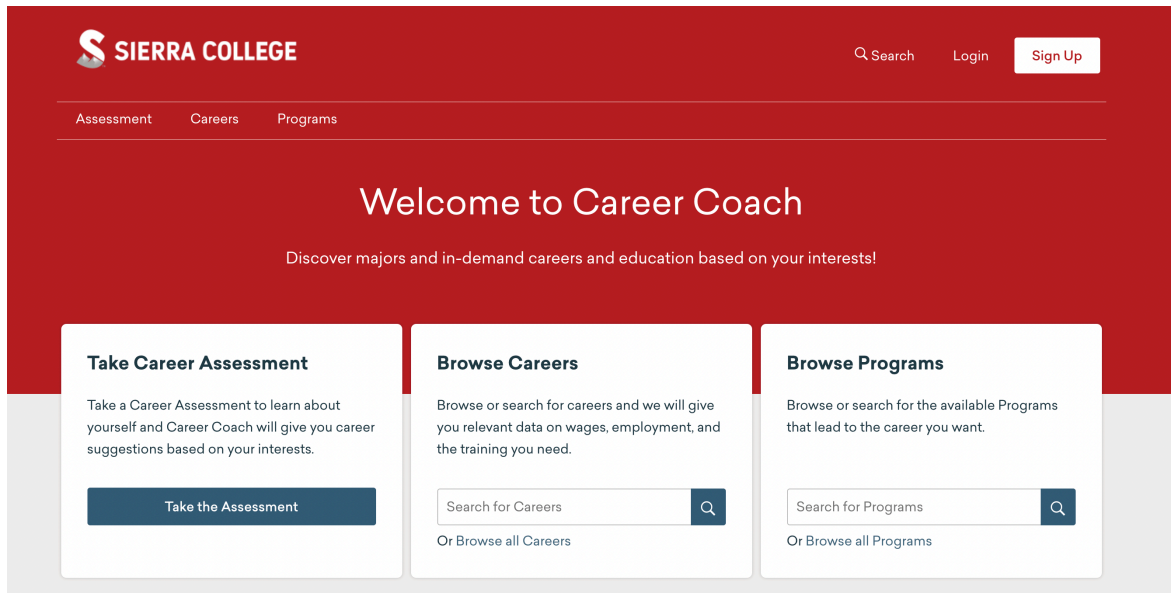
Match Score ★ ★ ☆ ☆ ☆

[View Details →](#)

4. Show people opportunity

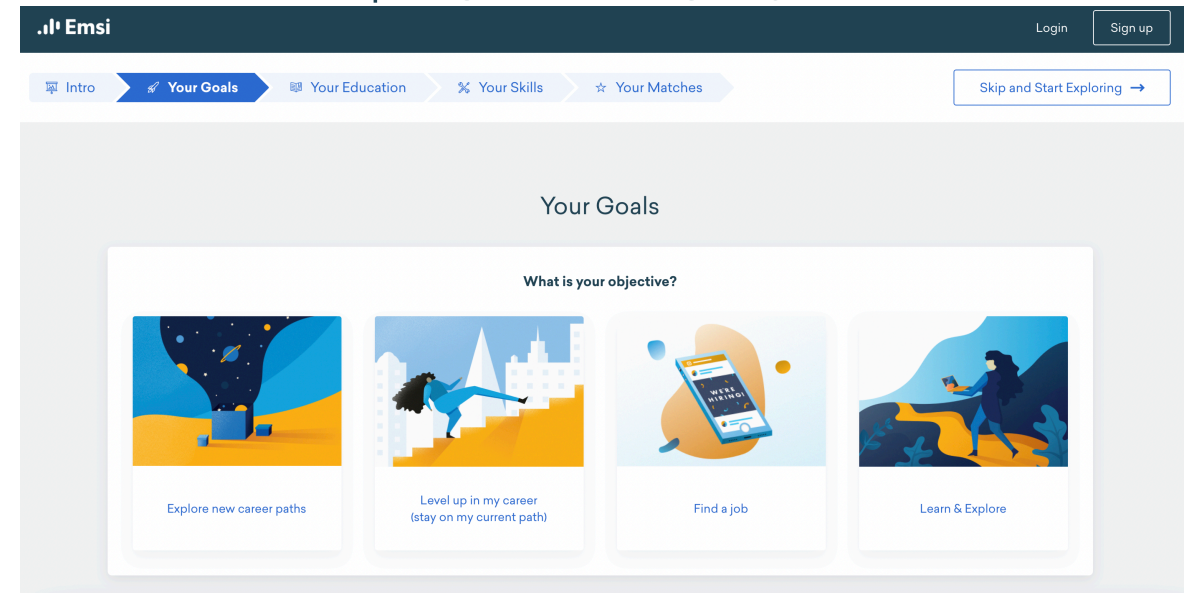
Career Coach

For new students. Assess interest. See opportunity.

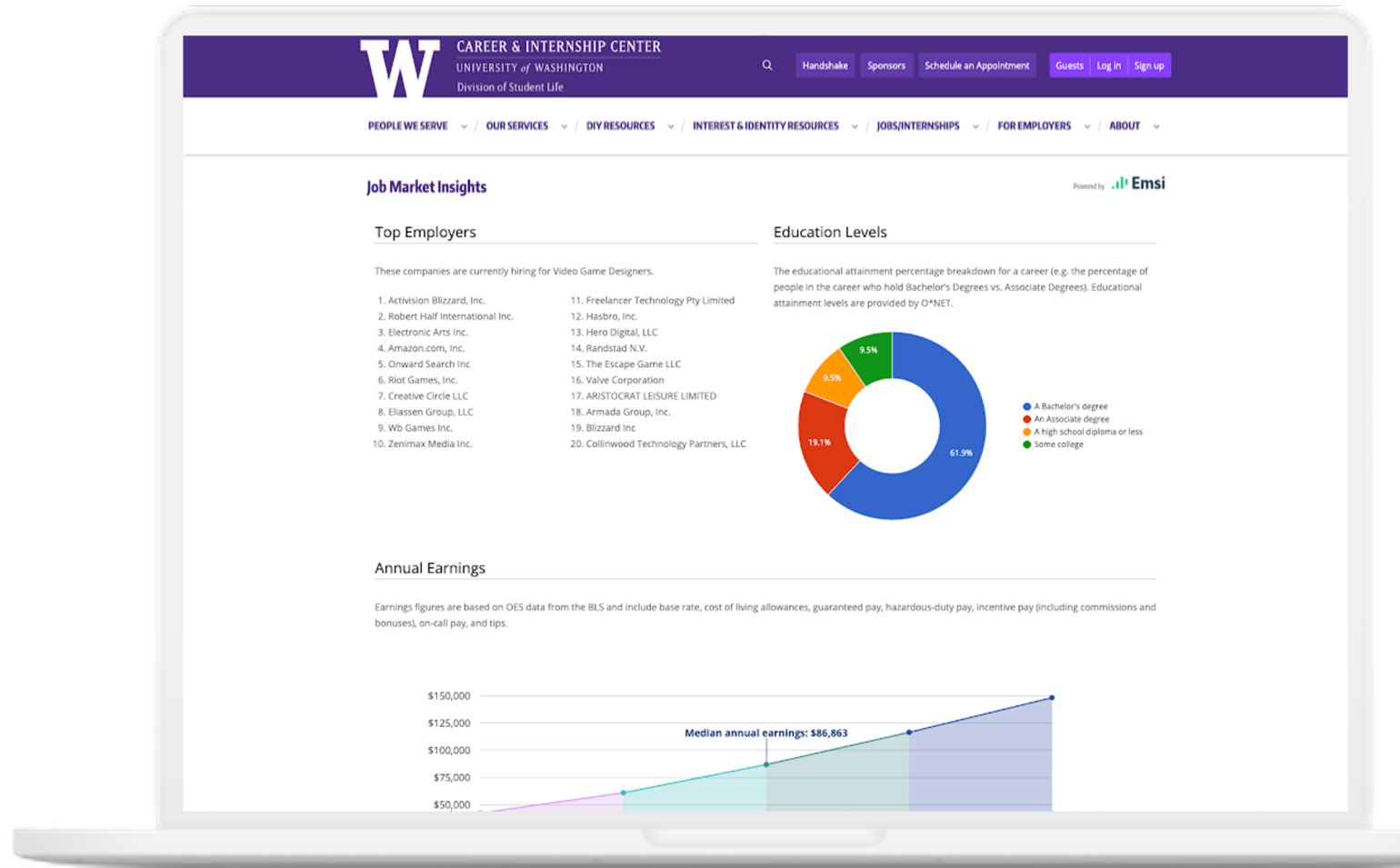


SkillsMatch

For adult learners. Assess skills. See the best fit + the programs to get you there



Emsi & uConnect Bring Labor Data to Career Services



When it comes to students and careers

Students often want:

- Clear picture of what they can do

But they:

- Underestimate what they can do
- Often have no idea about the amount of opportunity
- Feel confused and intimidated

Data can help...



Thank you!

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