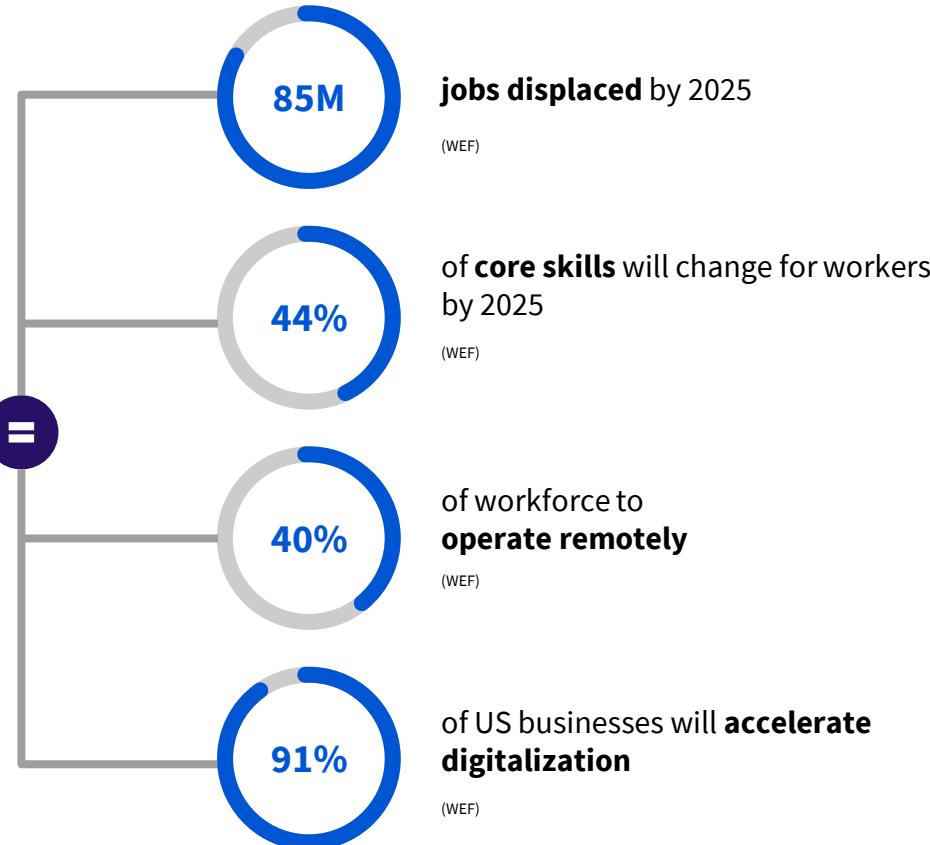
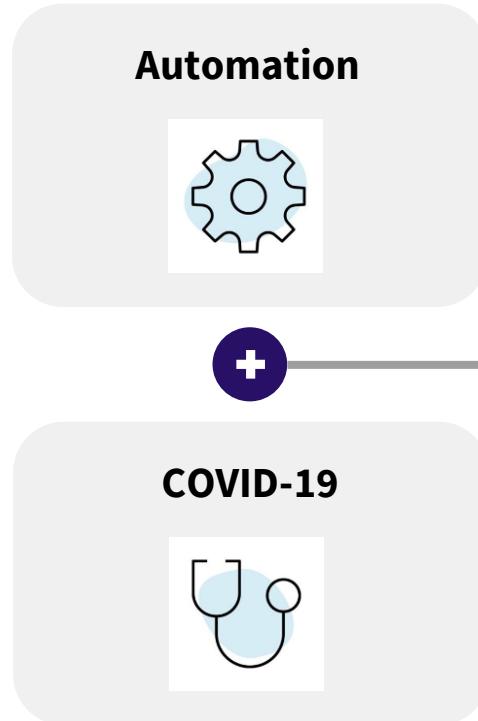


The Future of Work in Financial Services

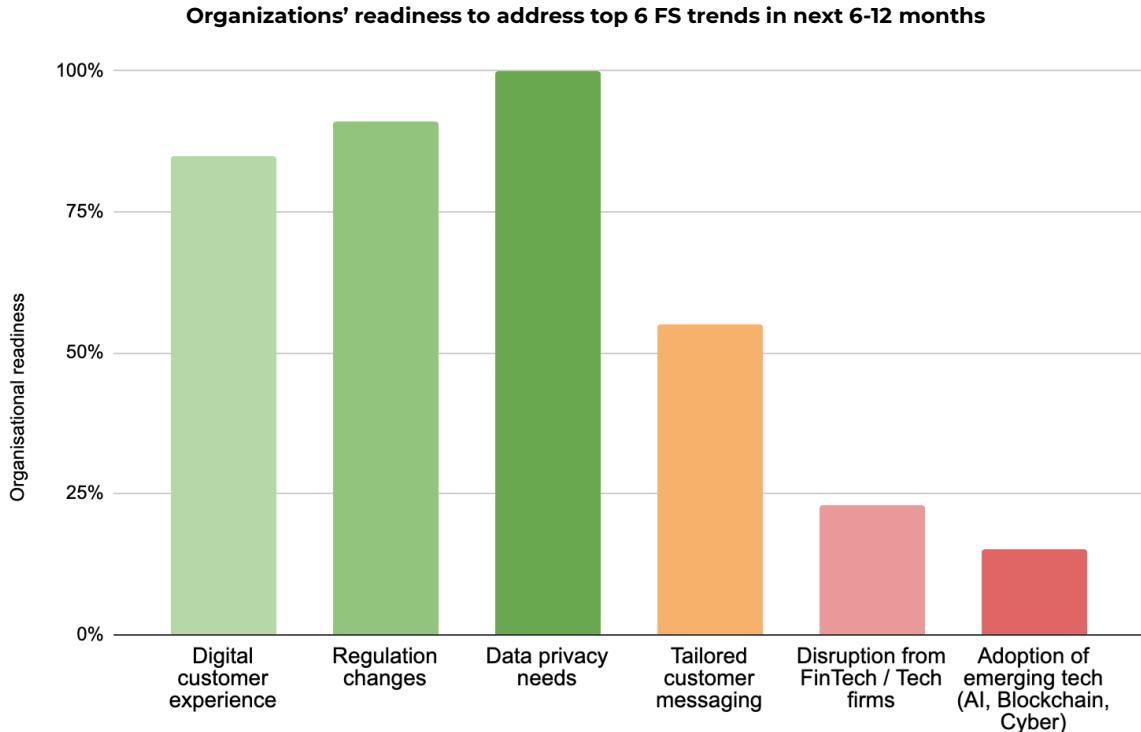


Tim Stanton
Enterprise Account Executive
Coursera

The impact of 'double disruption' on businesses



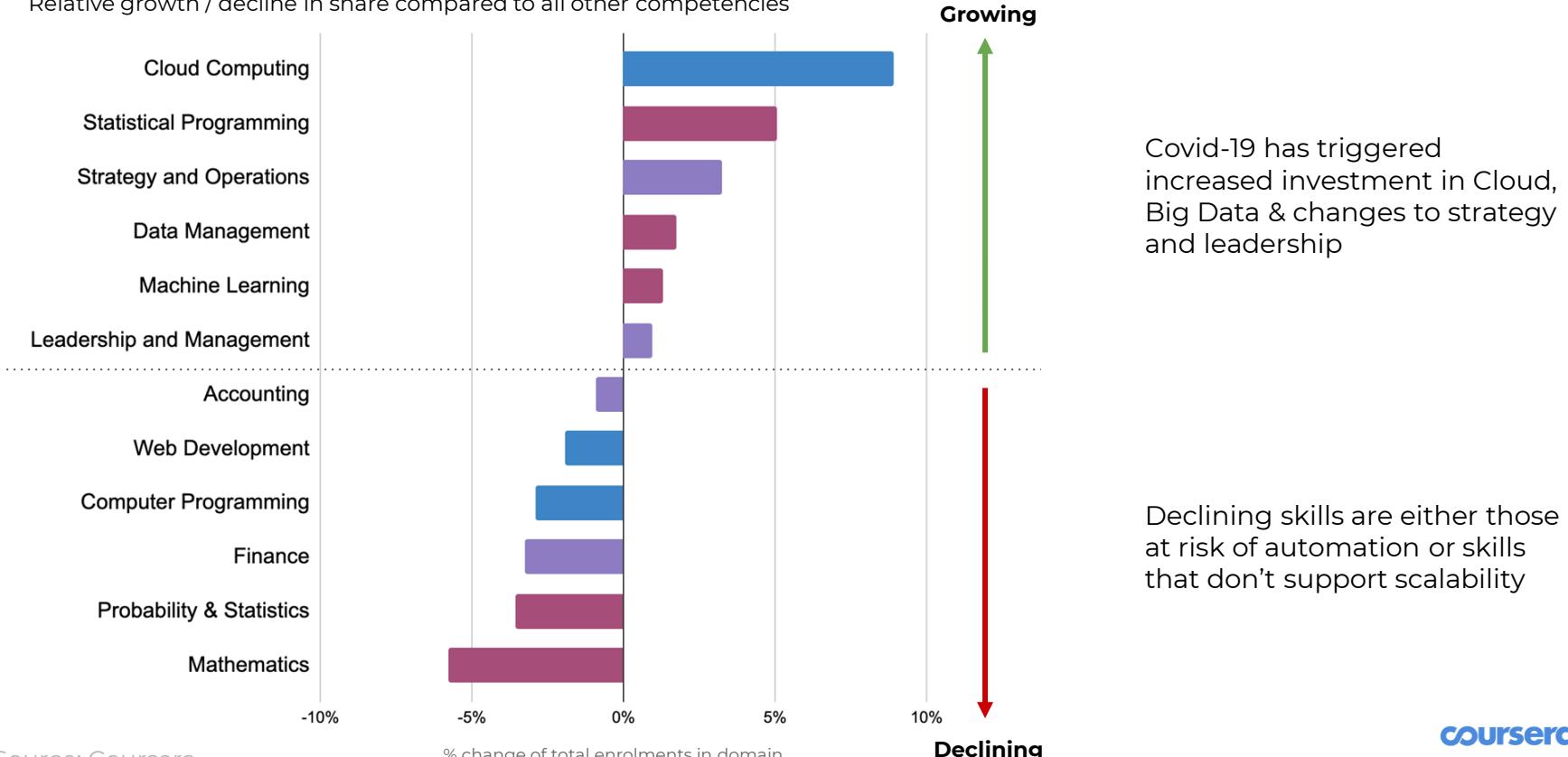
FS firms are addressing multiple **competing trends**



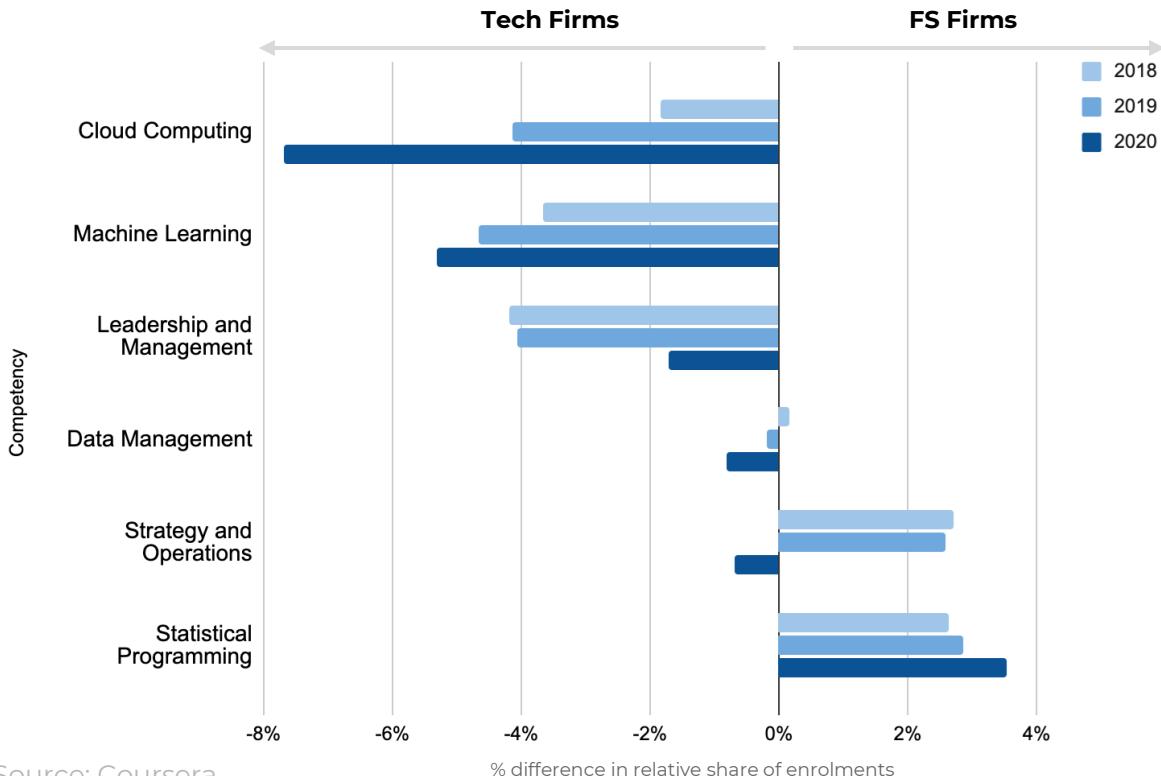
Financial Services companies are least prepared to respond to competition and the adoption of emerging technologies

This is reflected in the skills FS learners are building

Relative growth / decline in share compared to all other competencies



But tech companies are investing more heavily in emerging / advanced skills (e.g Cloud and AI)



Tech companies are putting more resources into the critical growth skills (e.g. Cloud and Machine Learning)

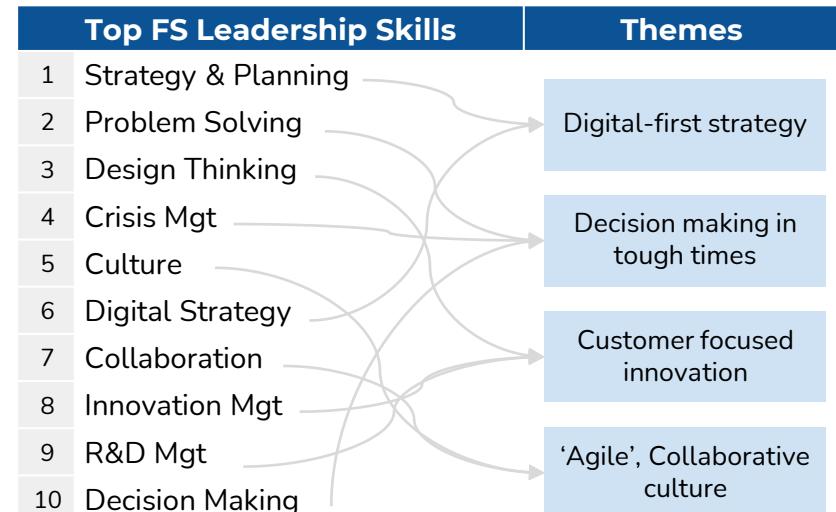
The average technology learner is also spending **8%** more time learning than the average finance learner

At all levels, human skills are growing in importance

Human skills now make up the majority of the top trending skills on Coursera

	2019	2020
1	Python Programming	Writing
2	Neural Networks	Strategy
3	Algorithms	Python Programming
4	Regression	Mindfulness
5	Strategy	Meditation
6	Deep Learning	Gratitude
7	Writing	Kindness
8	Supply Chain	Listening
9	Cloud Computing	Algorithms
10	General Statistics	Learning

The top leadership skills in FS firms point to changes in strategy and customer focus



This is how firms are responding to the trends

	Tier 1 Investment Bank	Global Investment & Retail Bank	Technology Firm
Business	MBA-Lite	Functional (HR, Risk, Talent)	Functional (Customer, HR, Marketing, Product, Finance)
Data	Data Basics Data Science and AI	Data Literacy for all Data Science Academy (CoE)	Data Science & AI
Technology	UX & Software Design Cybersecurity	Tech Collections Cloud Academy	Skills 5.0 (Software, Automation, Blockchain, IOT, Robotics, Cloud)
Leadership & Human	Critical Human Skills	Leadership Development Human Skills for all	Trending Soft Skills
Skills Dvt	'Cutting Edge' in business analysis, strategy & ops, accounting and security	'Cutting Edge' in Data Management, Machine Learning , HR, Communication	'Cutting Edge' in software eng, architecture, security, networking and mobile development

Bold = strength area

Strengths and Growth Areas

Rapid disruption in the industry calls for sharpening skills performance in industry strengths across business, tech, and data science.

Cutting-edge skills in:

Business	Accounting
	Finance

Tech	Databases
-------------	-----------

Data Science	Machine Learning
	Math
	Statistical Programming
	Statistics

Customer-facing Business skills, like sales, marketing, and communications, are critical to adapt to increased online banking.

Lagging skills in:

Business	Management
	Marketing

Tech	Security Engineering
-------------	----------------------

Data Science	Data Management
---------------------	-----------------



Industry

Finance

Falling behind in customer-facing skills like sales, marketing & communication.

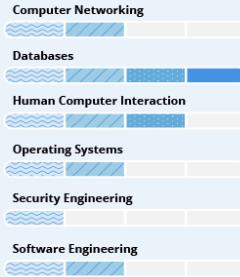
Mixed tech outlook as the industry focuses on cloud computing and blockchain but lags in cybersecurity.

Strong in data science, with a significant investment in machine learning and AI skills.

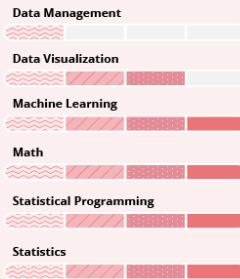
Business



Technology



Data Science





Industry

Finance | Trending Skills

Business

Microsoft Excel
Digital Marketing
Financial Modeling
Blockchain
Project Management

Technology

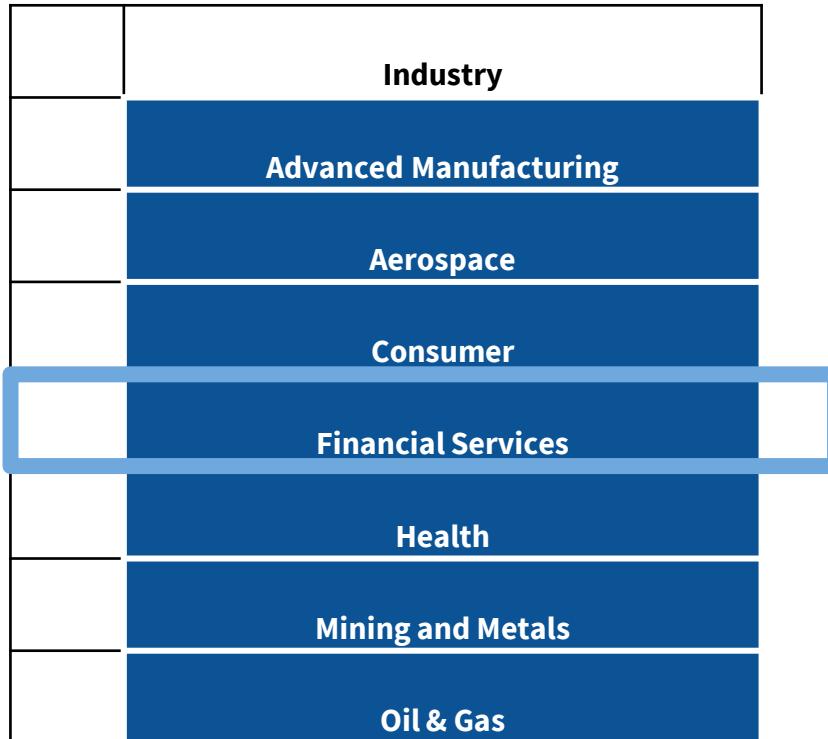
Cloud Computing
Artificial Intelligence
Algorithms
C
Algorithmic Trading

Data Science

Python
Deep Learning
SQL
Data Storytelling
R

81% of banking CEOs* express concern over the speed of technological change.

WEF and their partners are focusing on **seven priority industries** for reskilling and upskilling



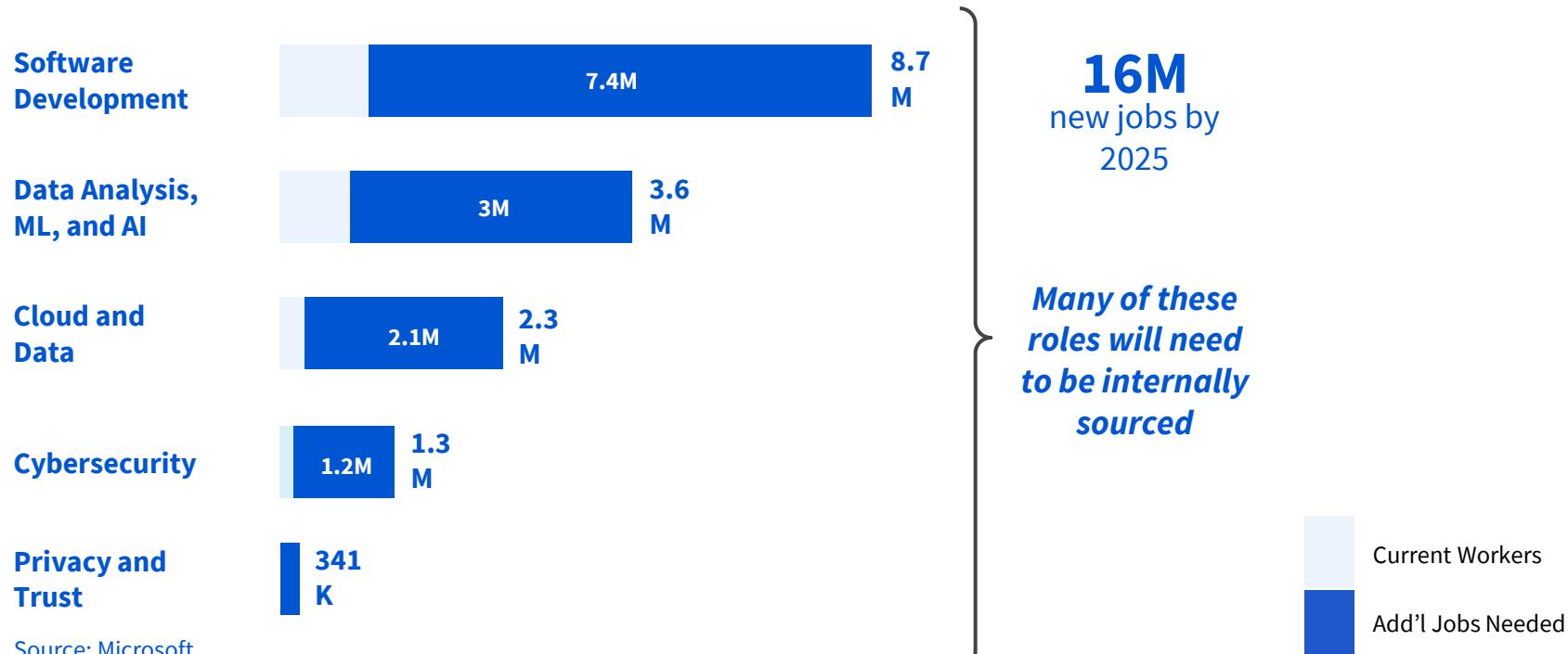
In Financial Services, skill needs are set to **change dramatically**:

44% Average skill instability among current workforce

51% Expected redeployment success rate of workers

Source: [Financial Services - Future of Jobs Survey 2020, World Economic Forum](#).

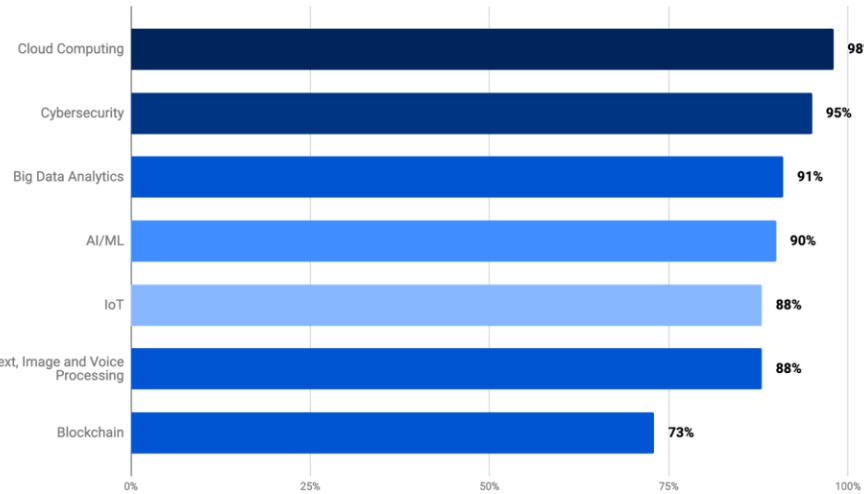
The finance industry is **anticipated to need millions** of new digital jobs by 2025



Source: Microsoft

Technology adoption **will be hampered** by a shortage of talent

Top technologies likely to be adopted by Financial Services firms by 2025



76%

of CEO's see skills shortages as a threat to their growth prospects

59%

Companies believe skill shortages present the biggest barrier to adoption of emerging technologies

40%

of CEO's plan to initiate significant retraining and upskilling

5 Key trends in Financial Services contributing to the skills gap

1

Threats
from Big
Tech

2

Digitally-enabled
customer is king

3

AI and Cloud is
only the first step

4

Data sharing and
centralization
picking up speed

5

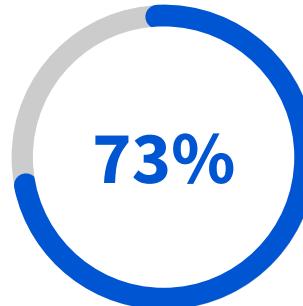
Democratization of
tech will raise
competitive
standards

Companies play a critical role in **global reskilling**



of employers **plan to retrain existing employees** in response to shifting skill needs.

Deloitte.



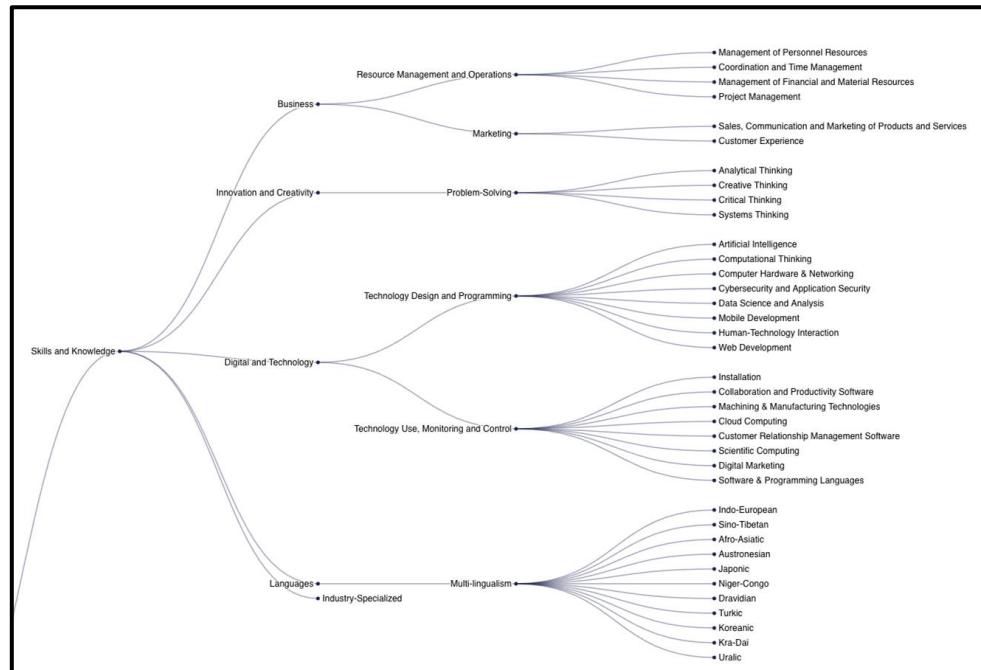
of individuals consider **employers responsible for workforce development**

Leaders who can map the right skills to people across the business enable digital transformations to succeed

Source: [McKinsey](#)

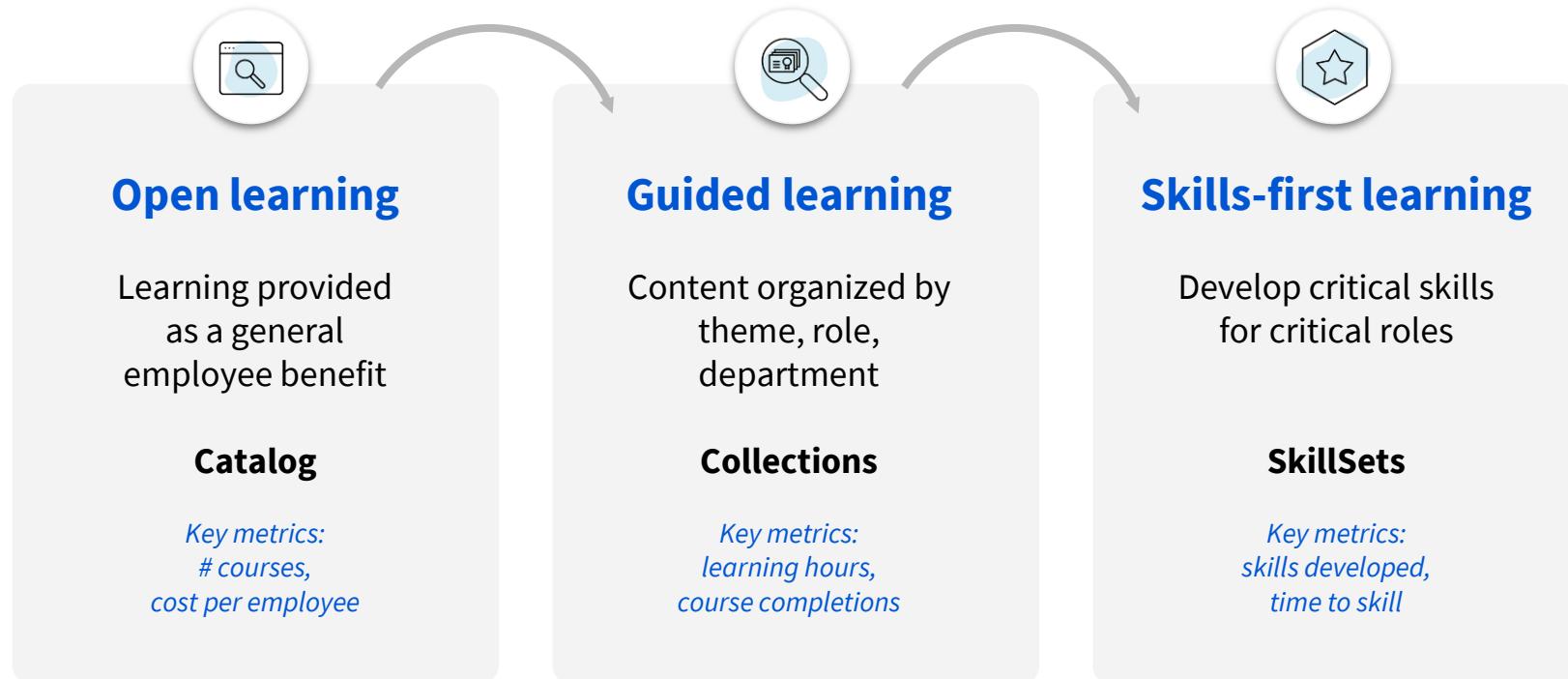
Coursera partnered with WEF and leaders from multinational Financial Services companies to create the **WEF Global Skills Taxonomy**

The Coursera skills development platform interoperates with the WEF Global Skills Taxonomy to help identify and build skills within businesses, governments and institutions



Source: [Building Common Language for Skills at Work A Global Taxonomy](#)

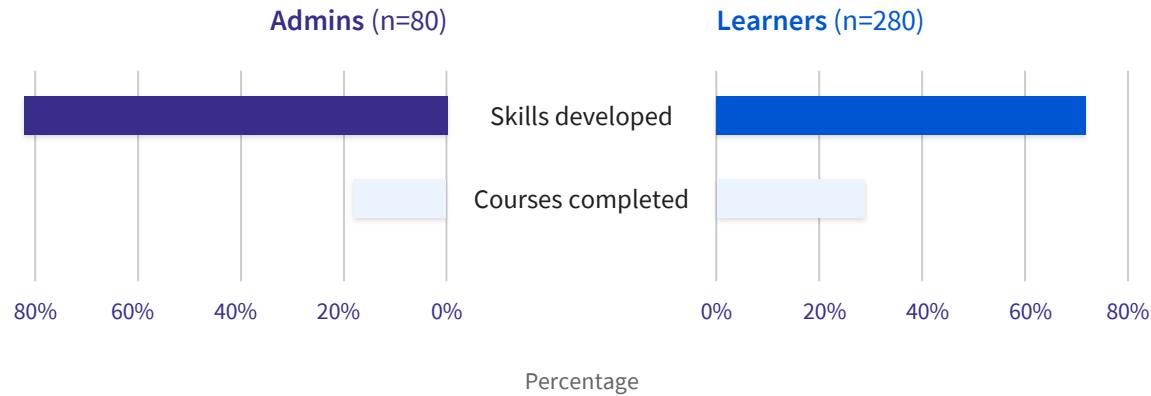
Evolution of Workplace Learning



Employees want to demonstrate their skill proficiency

In user research conducted on Coursera users and admins in May 2020, a majority preferred earning credentials for skills versus course completions.

I would prefer [my employees] to earn a certificate based on:



Coursera, a
global **learning**
ecosystem

Learners
Learn and prosper



82+ million
Registered learners

coursera

60+
Industry Partners

160+
University Partners



Educators
Teach the world

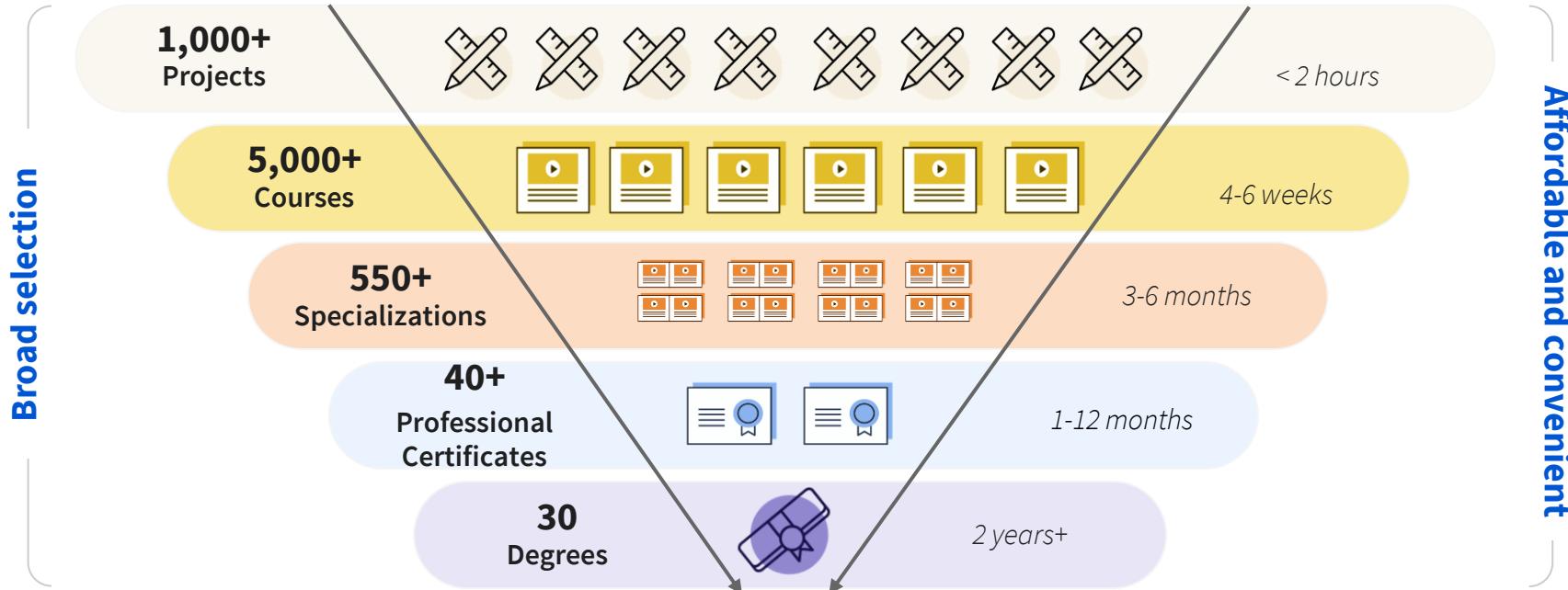


Institutions
Transform talent

6,000+ institutions

- Businesses
- Governments
- Campuses

Robust catalog of **job-relevant** learning



Coursera trains on and measures the 7 priority skills areas identified by the WEF Industry Accelerators

Priority Skill Areas	SkillSets & Academies	Professional Certificates	Guided Projects
1. Automation Engineering		✓	✓
2. Cybersecurity	✓	✓	✓
3. Data Analytics	✓	✓	✓
4. Digital Marketing	✓	✓	✓
5. Machine Learning	✓	✓	✓
6. Scrum / Agile		✓	✓
7. UX Design		✓	✓

SkillSets match job roles, skills, and content

- Target SkillSets for any role
- SkillSets include target proficiency for each skill
- World-class content delivered to optimize skill development
- Coursera Labs delivers hands-on learning with job-relevant tools

Data Scientist

Mathematicians deliver the analysis, modeling, and experimentation that inform product and business direction, empowering organizations to identify and deliver relevant products, mitigate risk and fraud, and improve internal operations. They also often develop algorithms to create personalized products and experiences to drive growth and innovation.

This SkillSet was created by

coursera

SkillSet Targets

Skill	My Score	Target
Mathematics	100	160
Statistical Programming	100	160
Data Visualization	100	60
Probability & Statistics	100	160
Machine Learning	100	60
Data Management	100	60

How to read proficiency targets

Top recommendations for **Mathematics**

How to start

Introduction to Calculus
The University of Sydney
COURSE

Using SQL String Functions to Clean Data
Coursera Project Network
GUIDED PROJECT

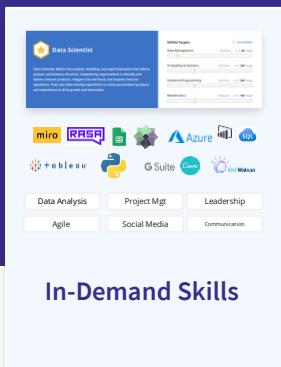
Data Science Math Skills
Duke University
COURSE

Python for Data Science, AI & Development
IBM
COURSE

Accelerate innovation and deliver excellence with high-impact skills

Skills-first Learning

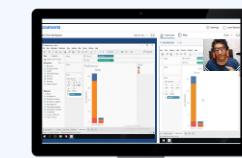
Develop critical skills for critical roles



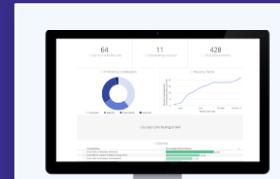
In-Demand Skills



World-Class Content and Credentials



Hands-On Learning



Measurement & Actionable Insights

Learn more about how to use Coursera to accelerate innovation and deliver excellence with high-impact skills

PLATFORM CAPABILITIES DRIVE **SKILL DEVELOPMENT AT SCALE**

coursera

Transform your teams with high-impact skills

Skills-first Learning

Develop critical skills for critical roles

Learn more about how to use Coursera to accelerate innovation and deliver excellence with high-impact skills with Academies.



DATA & ANALYTICS ACADEMY

Empower everyone to be data-driven and AI-aware



CLOUD & IT ACADEMY

Take the next step in your digital transformation



SOFTWARE ENGINEERING ACADEMY

Meet customer demands for digital products and services



MARKETING ACADEMY

Supercharge growth and customer acquisition



FINANCE ACADEMY

BETA

Streamline company operations and sustain growth

ACADEMIES OFFER **TURNKEY, JOB-BASED LEARNING**

Launch transformative learning fast with SkillSets

SkillSets are job-based learning programs that build proficiency in critical skills



Reskill your talent for in-demand data and analytics roles



Upskill data science and analytics team with cutting-edge tools



Drive data literacy and AI awareness across the entire org

DATA & ANALYTICS ACADEMY

Roles



Data
Scientist



Machine Learning
Engineer



Data Engineer



Data Analyst

Functions

Data Science & Engineering Teams



SQL-Proficient
Data Analyst



Python-
Proficient
Data Scientist



NLP Specialized
Data Scientist



AWS-Proficient
ML Engineer



Big Data
Specialized
Data Engineer



TensorFlow-
Proficient
ML Engineer



Data-Driven
Designer



Data-Driven
Marketer



Data-Driven
Product Mgr



Data Leader



Data-Driven
Sales Leader



Data-Driven
Leader

Everyone



Data-Driven Decision-
Maker

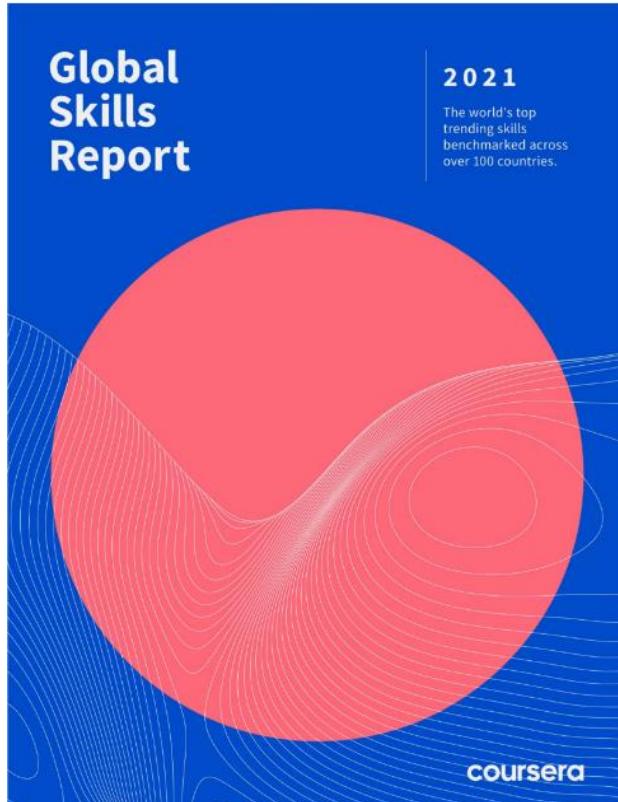


AI-Aware Professional

*Pictured here is a subset of the SkillSets available in the Data & Analytics Academy

Q&A

NEW! The 2021 Global Skills Report



Gain insight into:

- Skills proficiency correlations with inequities exposed by COVID-19
- Each country's rank in essential skills across business, tech, and data science
- Trending skills in each region
- Skills of the future and resilient career pathways
- Download it now! coursera.org/gsr

Global Skills Index → Coursera Skills Report Series

----- *Available Now!* -----



----- *Coming Soon* -----

September 2021



October 2021



Other Resources

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the [**Essential Skills Playbook**](#)



Discover trending skills
In your industry
[**Download here**](#)



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about Coursera's enterprise
learning platform and meet
with a Skills Transformation
Consultant Today!

Email us at
business@coursera.org

For more information go to [**https://www.coursera.org/business/**](https://www.coursera.org/business/)



Thank you