

DATA LITERACY PIVOTAL TO 21ST CENTURY JOBS

Data science and statistical jobs are among the fastest growing and most highly rated. With industries becoming more data-centric, the need for data professionals and skills continues to rise, creating significant job growth and economic stimulation. Improved access to data literacy education would (1) prepare Americans for the growing demand of high-paying job opportunities, (2) expand and transform businesses and create new ones, and (3) strengthen the workforce and keep more data-related jobs in the US.

#1 DEMAND FOR DATA SKILLS IS HIGH AND PROJECTED TO STAY HIGH

The Bureau of Labor Statistics forecasts more than 32% growth for data science and statistics employment from 2021 to 2031, significantly outpacing the average growth rate for all occupations. This robust demand, coupled with the attractive wages offered for data science and statistics skills across sectors, underscores their value in today's economy. LinkedIn includes analytical skills in its list of top 10 in-demand skills.



#2 EXPLOSION OF DATA IS CREATING BUSINESSES AND TRANSFORMING EXISTING ONES

The emergence of data science has expanded and created new sectors and job opportunities. Data science has become pivotal to innovation in the tech sector and industries such as manufacturing, health care, agriculture, finance, and retail. AI is transforming existing industries and creating new professions, such as data ethics, data privacy, and artificial intelligence, which diversify the economy and open new avenues for growth.



#3 DATA LITERACY STRENGTHENS AMERICA'S COMPETITIVE EDGE

With data talent in high demand globally, other countries are investing billions in data education. Increased investment in data science education will strengthen the US workforce by helping American workers capture more data-intensive jobs and helping companies find and retain top talent locally. It will also drive growth in the digital economy. It's a strategic imperative for maintaining America's leadership in technology and innovation.



Greater data literacy among all students will create more data-savvy graduates, who will meet workforce demand and better position the US to meet challenges, whether they relate to artificial intelligence, national security, health, education, or manufacturing. Please click on the linked topics above to see our related one-pagers about the importance of greater data literacy in those areas.