

# Optimizing the chemicals value chain with AI

Respond with agility



Amidst the incredible challenges of the COVID-19 pandemic and the oil price collapse, chemicals companies need to plan for larger transformations and innovation to differentiate themselves. Artificial intelligence (AI) is vital.

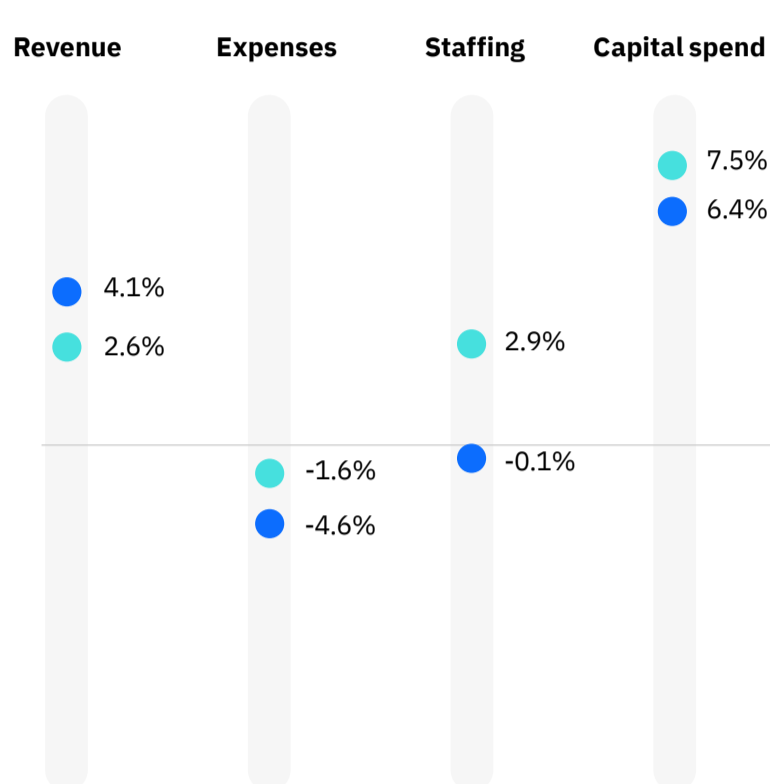
**Only 4 in 10** of chemicals respondents say their companies are executing an enterprise-wide AI strategy.



## “AI champions” have driven more value from their AI investments

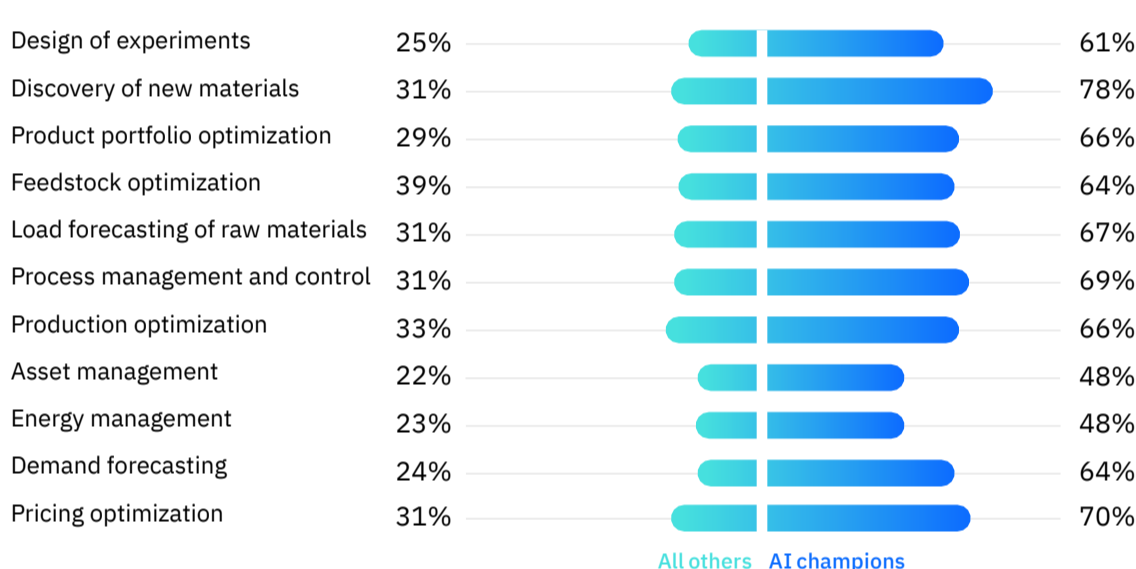
AI champions were defined at those chemicals organizations that have a well-defined enterprise-wide AI strategy

AI champions  
All others



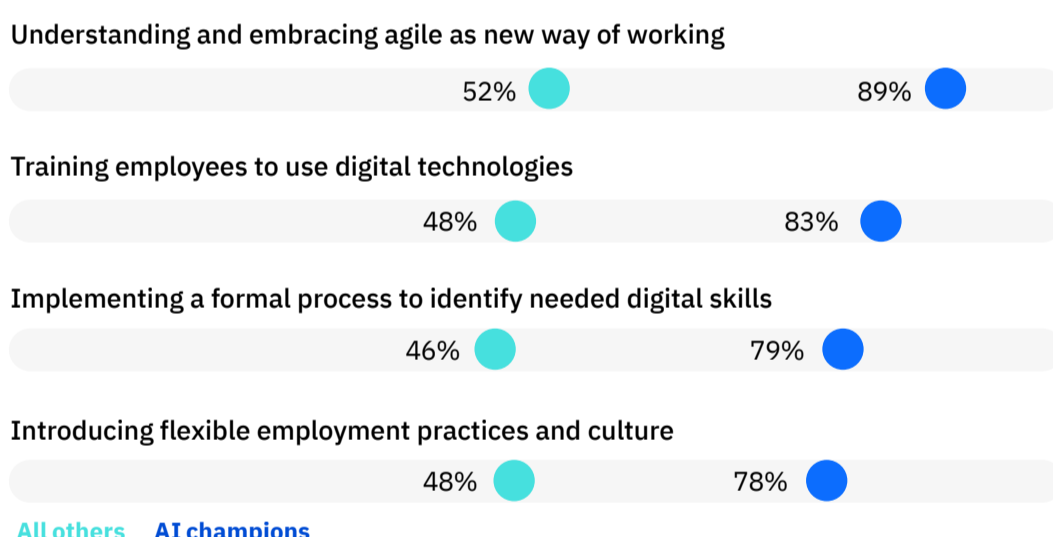
Source: B6. How has your organization's AI investments over the last three years impacted the following? n=400

## Advantages of using AI to support R&D, manufacturing, and sales



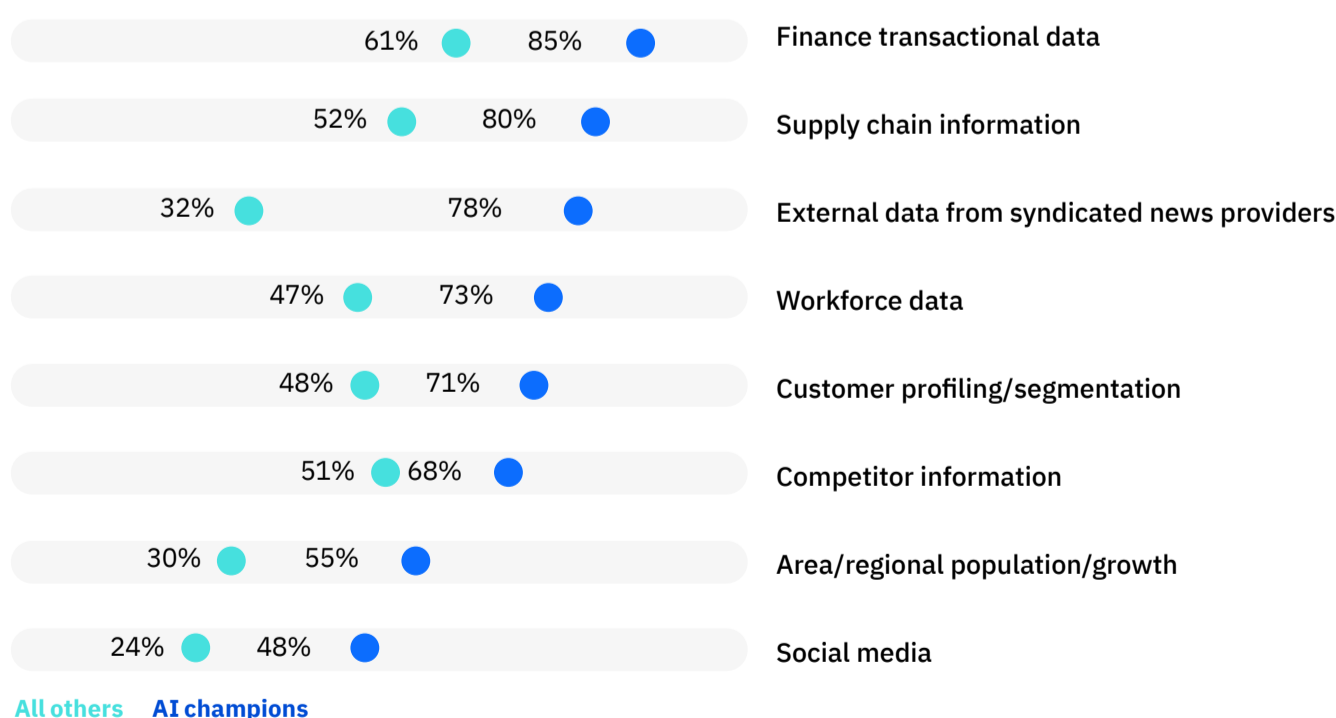
Respondents selected either We have made operational or we have fully implemented. Source: Q7. To what degree has your organization implemented AI in industry-specific activities? n=398 to 400

## AI champions take concrete steps to enhance talent



Percentages represent the number of respondents who selected 4 or 5 on a 5-point scale. Source: Q12. To what extent has your organization invested in each of the following talent initiatives associated with your AI implementations? n=397 to 399

## AI champions take advantage of new data sources at a greater rate



All others AI champions

Source: Q19. To what extent are the following data sources used to leverage AI? n=382 to 399

AI champions have created the framework to drive AI across the business. Chemicals companies should:

1. Establish the foundation to take advantage of AI
2. Execute an AI business blueprint
3. Infuse value chain with AI and other technologies.

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