

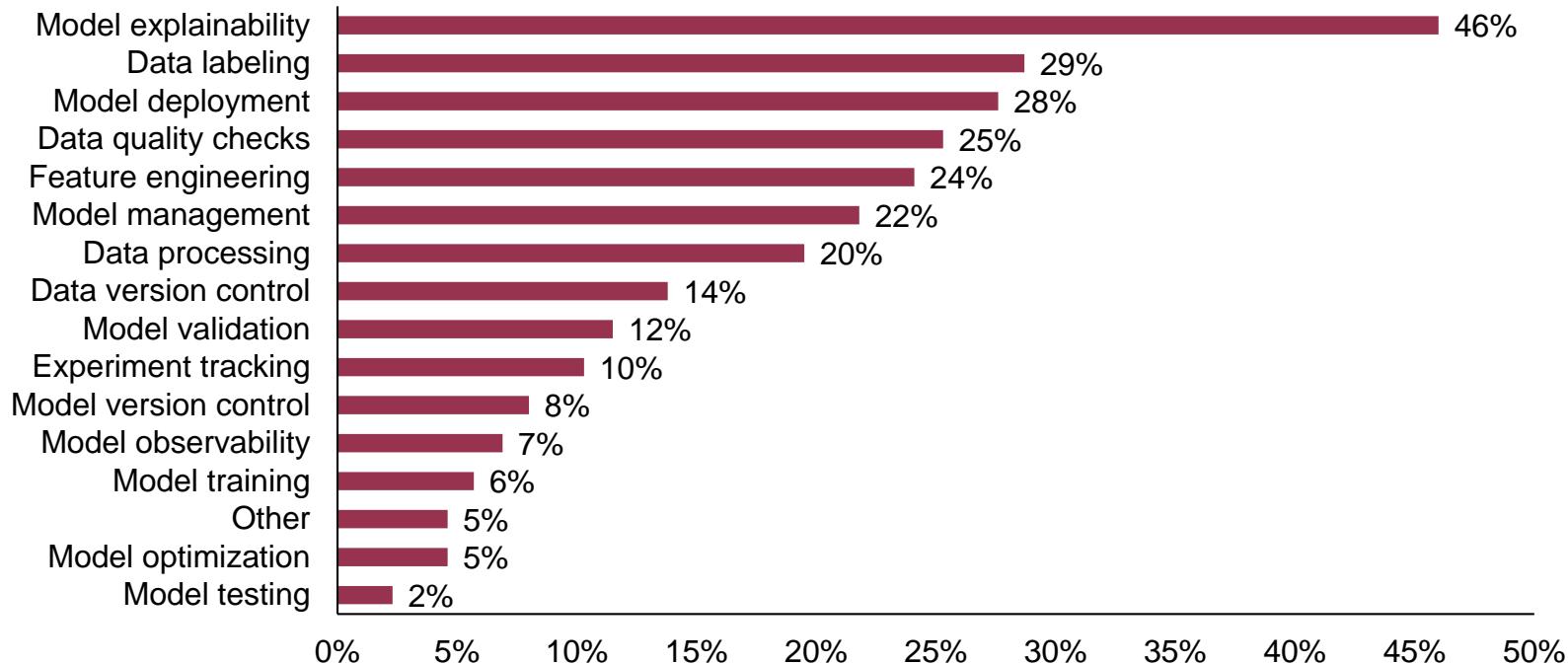


# Chief Data Scientist Survey

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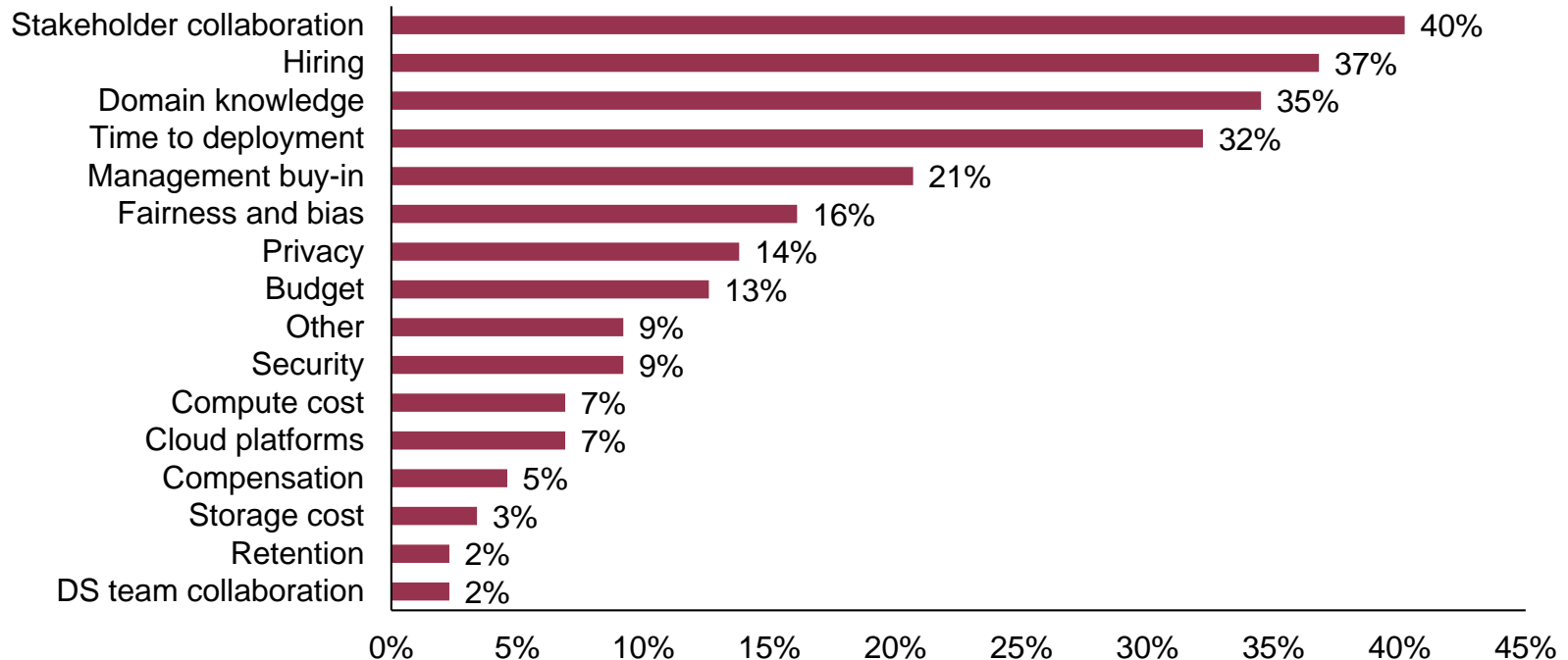
# Explainability, data labeling, and deployment are the biggest challenges with models

What are your biggest challenges with models currently?



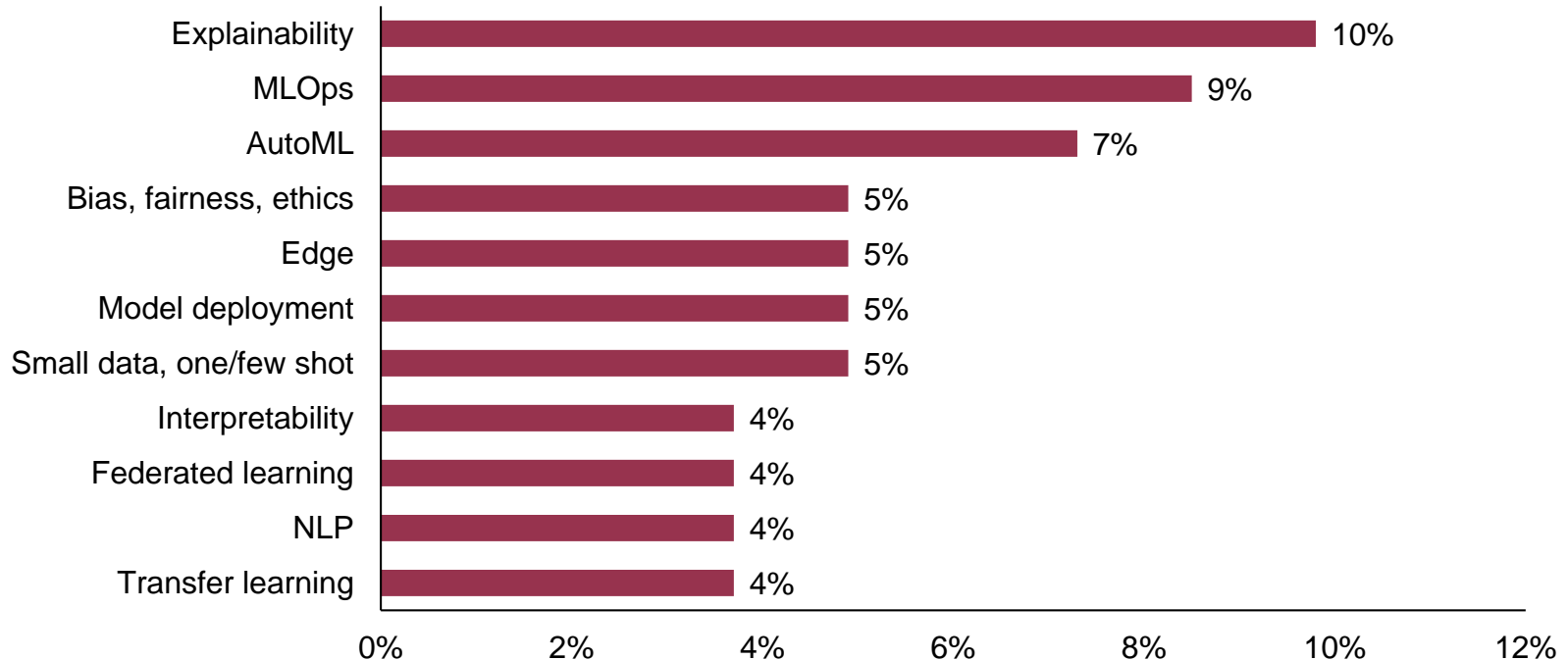
# Stakeholder collaboration, hiring, and domain knowledge are the biggest overall challenges

What are your biggest challenges as the data science organization leader?



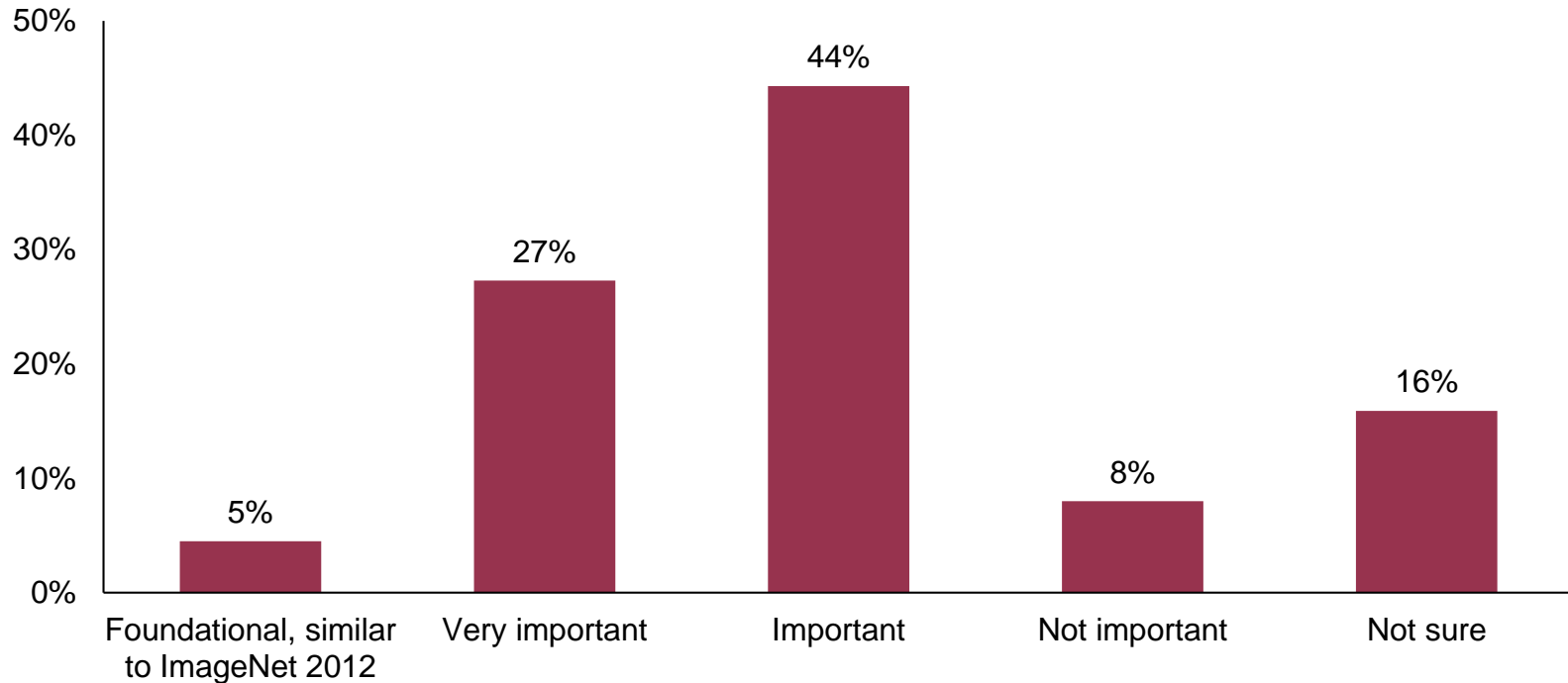
# Explainability, MLOps, and AutoML are the most important development areas over the next 1-2 years

What technology development is the most important for DS/ML over the next 1-2 years?



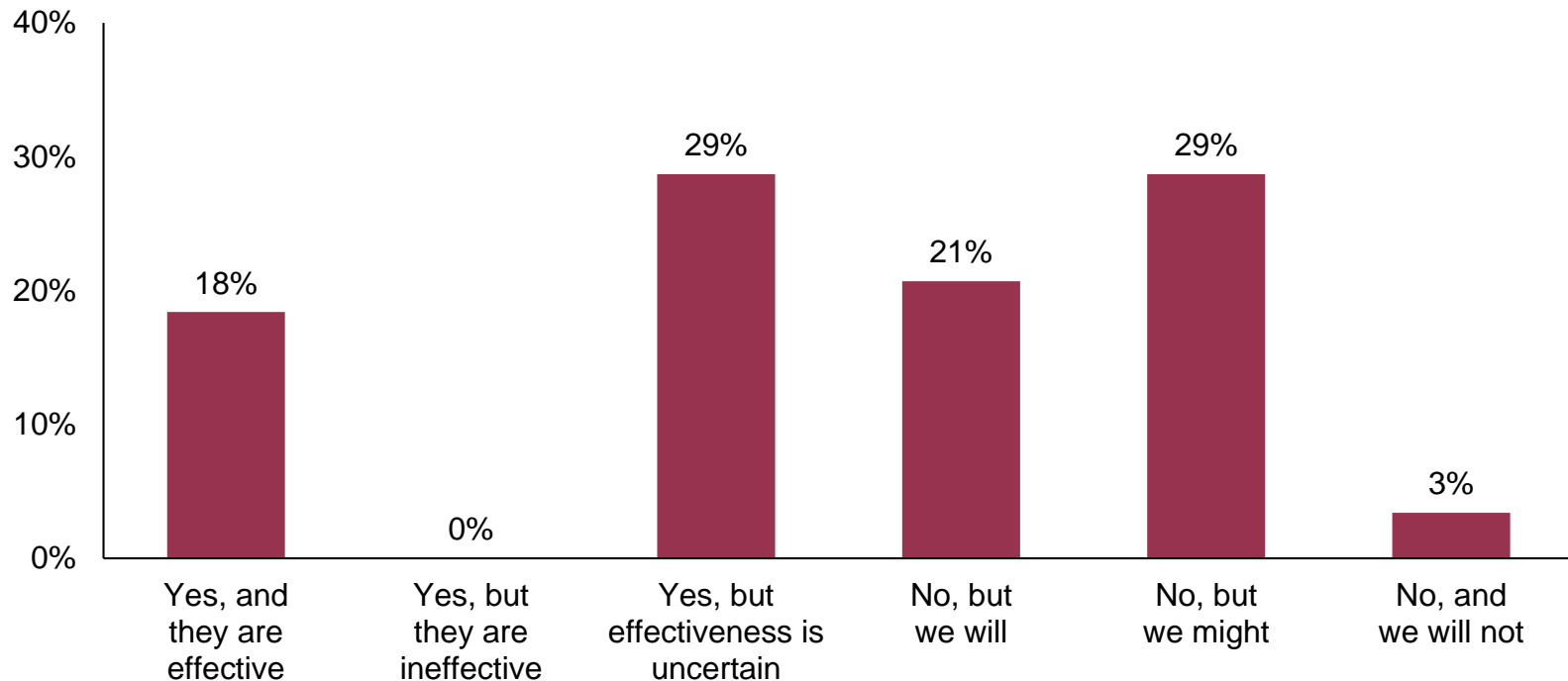
# 71% of respondents indicate that GPT-3 is important or very important; only 5% indicate that it is foundational

What is the importance of GPT-3 to data science and machine learning?



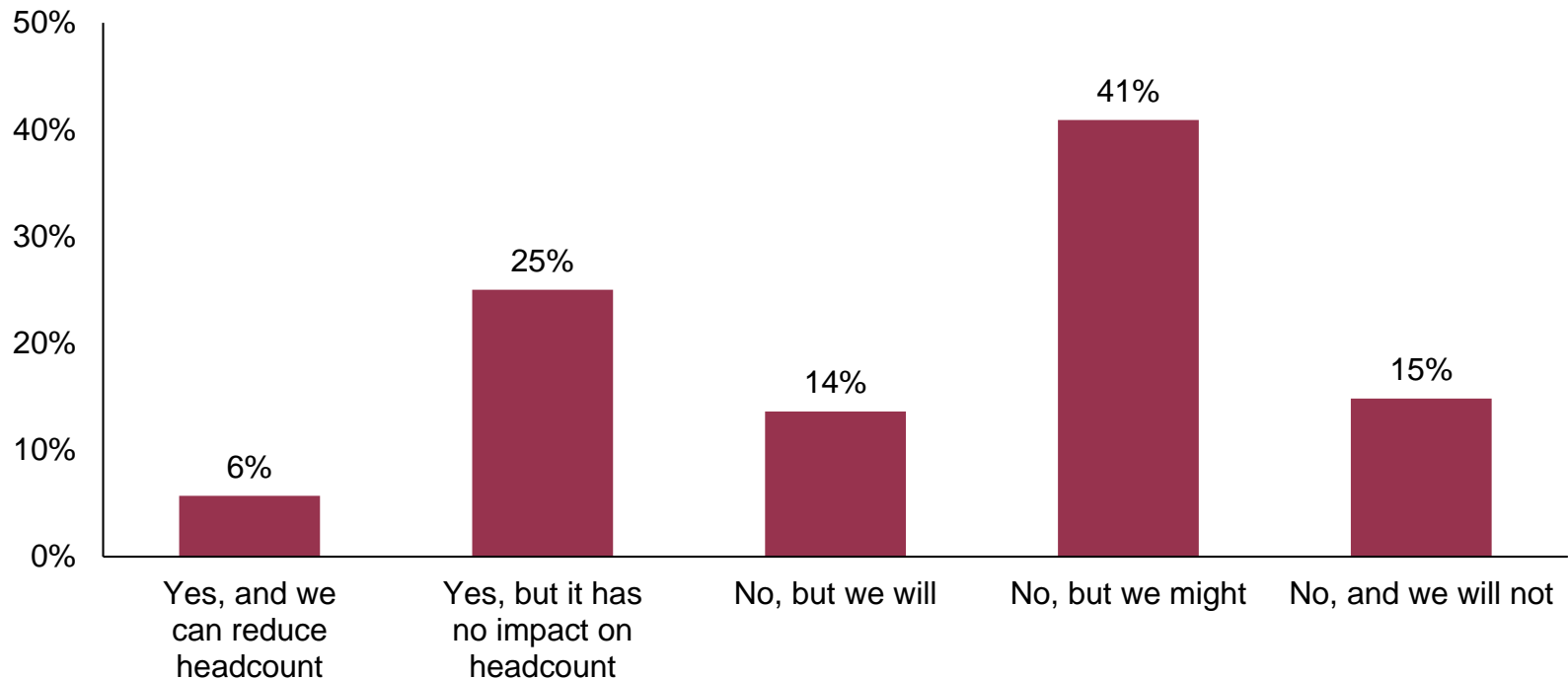
# 47% of respondents are currently implementing bias solutions, of which 61% are not sure of effectiveness

Are you currently implementing solutions to address data bias?



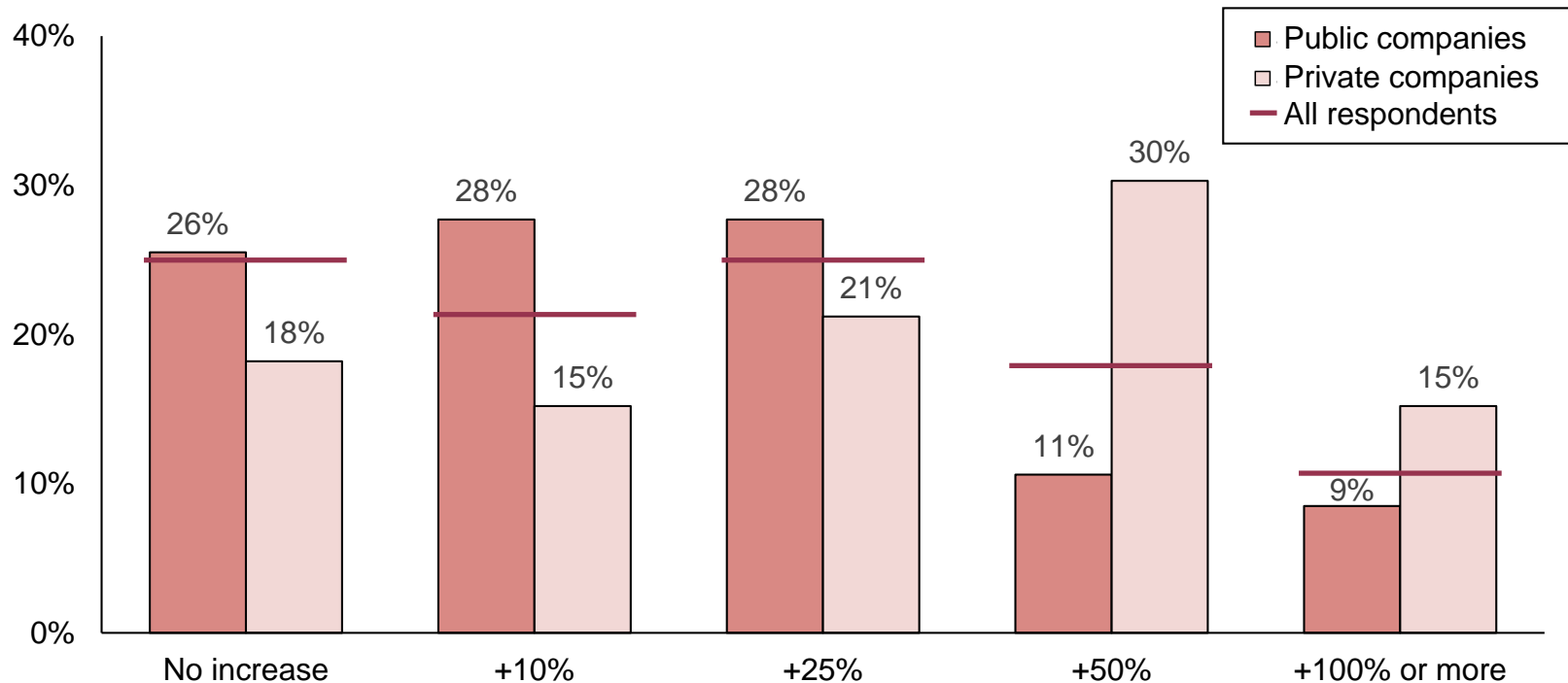
# 31% of respondents are currently using AutoML platforms, of which 81% indicate no impact on headcount

Is your company currently using AutoML platforms?



# 48% of respondents at public companies indicate data science budget growth of 25% or greater for 2021E

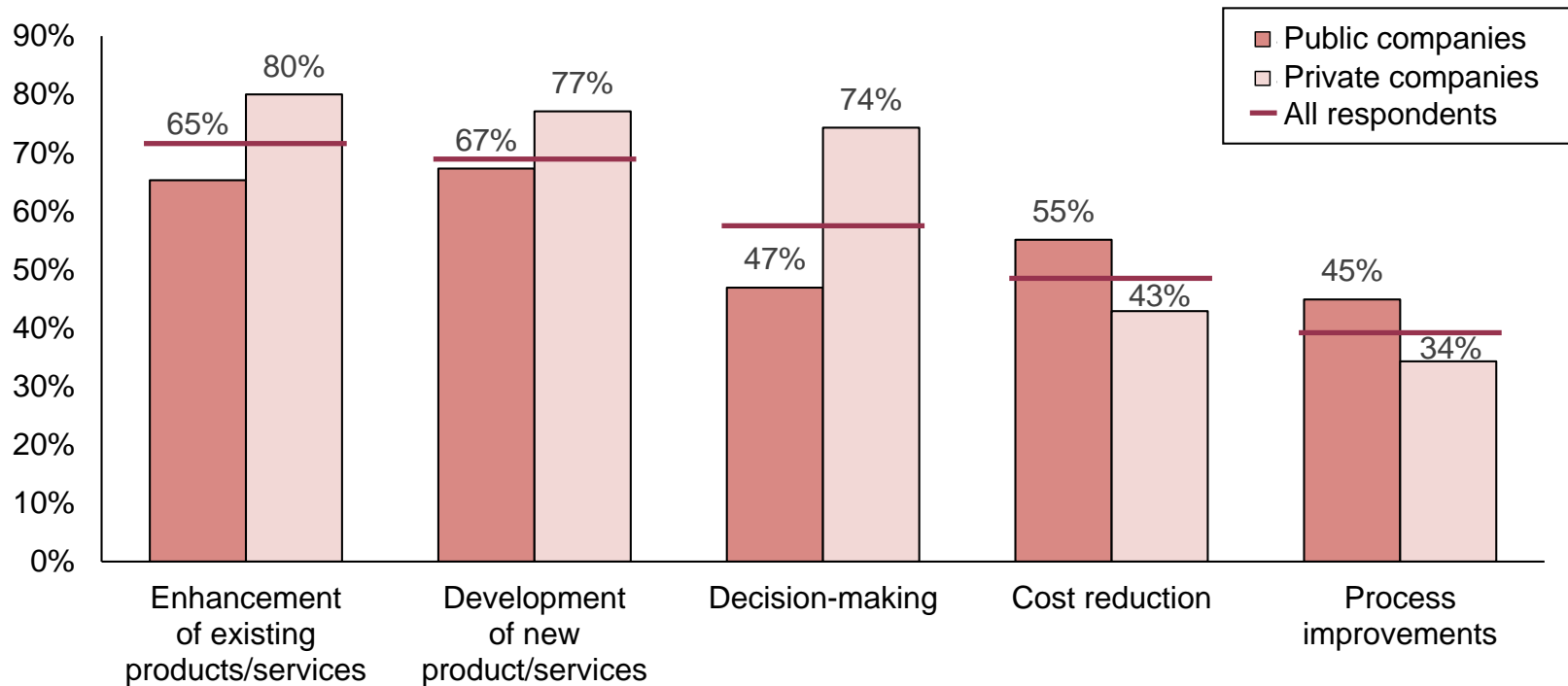
How will your DS/ML budget increase from 2020 to 2021?





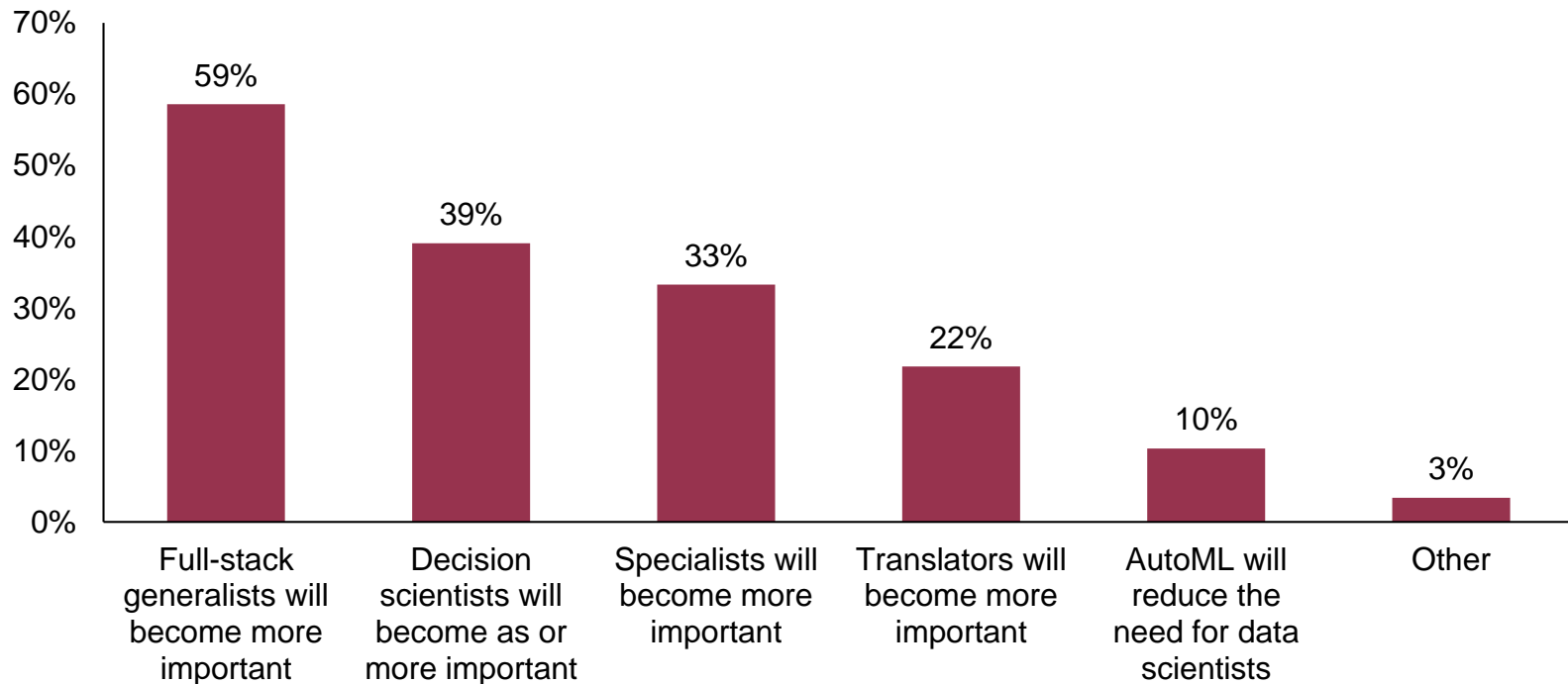
# 74% of respondents at private companies use DS/ML for decision-making, as opposed to 47% at public cos

What are the objectives of your DS/ML projects?

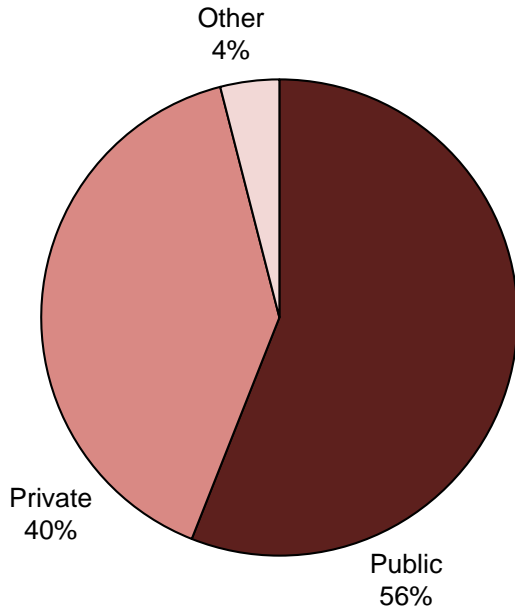


# Full-stack generalists and decision scientists will become more important roles in data science

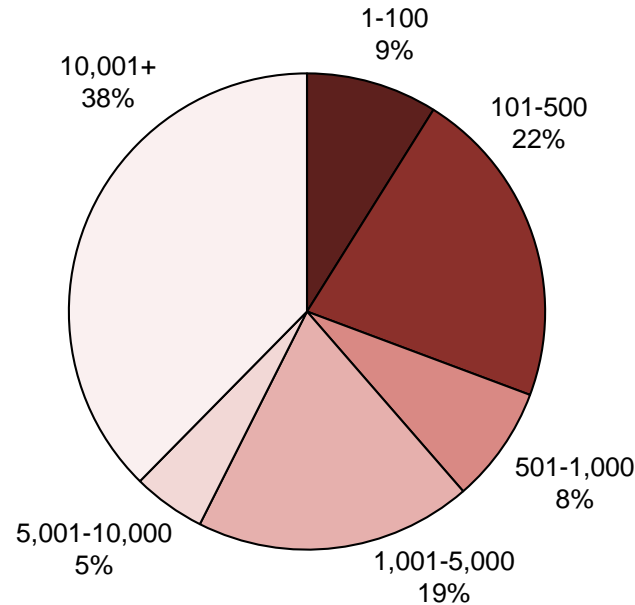
How will the role of the data scientist evolve?



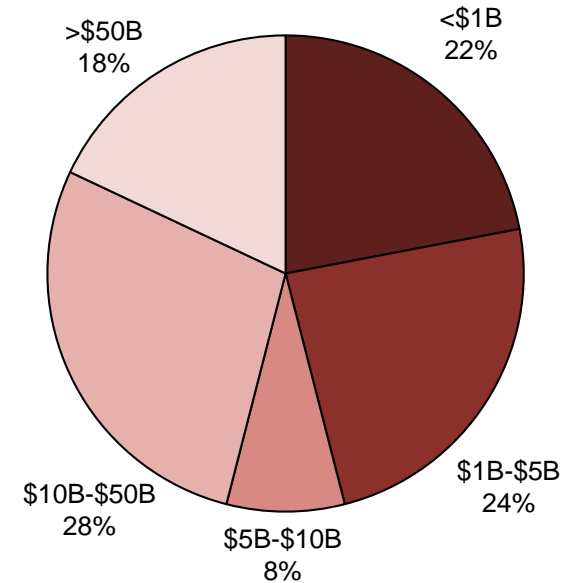
# The respondents included 88 senior-most data science, ML, and AI leaders at public and private companies



**Respondents by Company Type**



**Respondents by Number of Employees**



**Respondents by Company Valuation**



# Thank You

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