

Sistemas Inteligentes 2024/1

[Machine Learning is the] field of study that gives computers the ability to learn without being explicitly programmed.

[Arthur Samuel](#), 1959.

A computer program is said to learn from experience E with respect to some task T and some performance measure P , if its performance on T , as measured by P , improves with experience E .

[Tom Mitchell](#), 1997

Fonte: Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow

Campos de Estudo



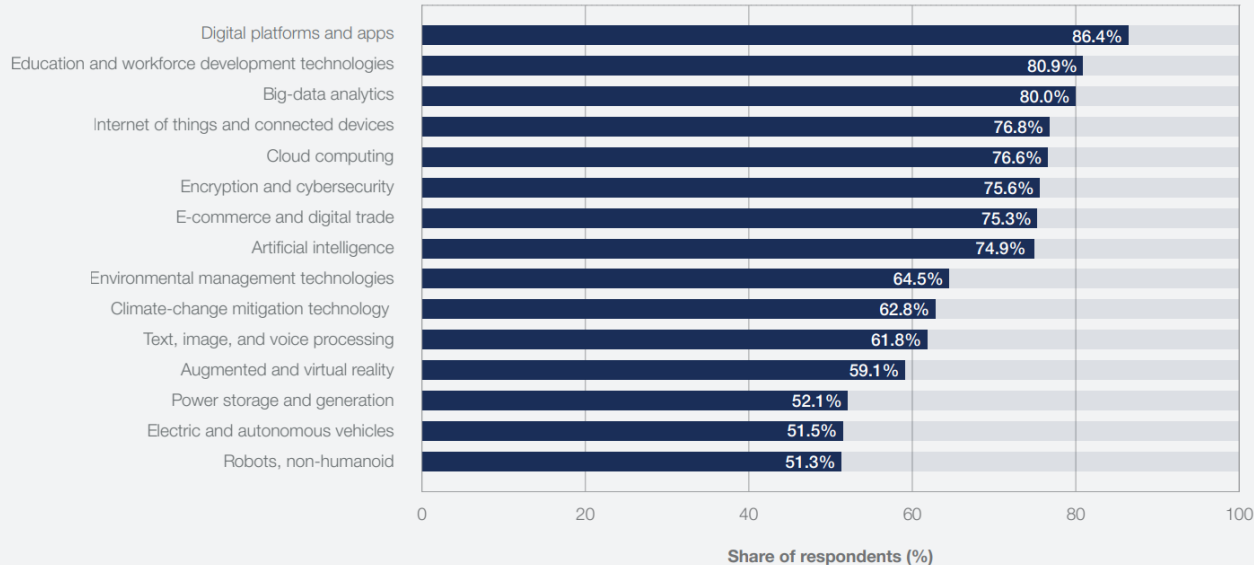
Fonte: [O que é Ciência de Dados?](#)

Data Scientist: The Sexiest Job of the 21st Century

FIGURE 2.4

Technology adoption, 2023-2027

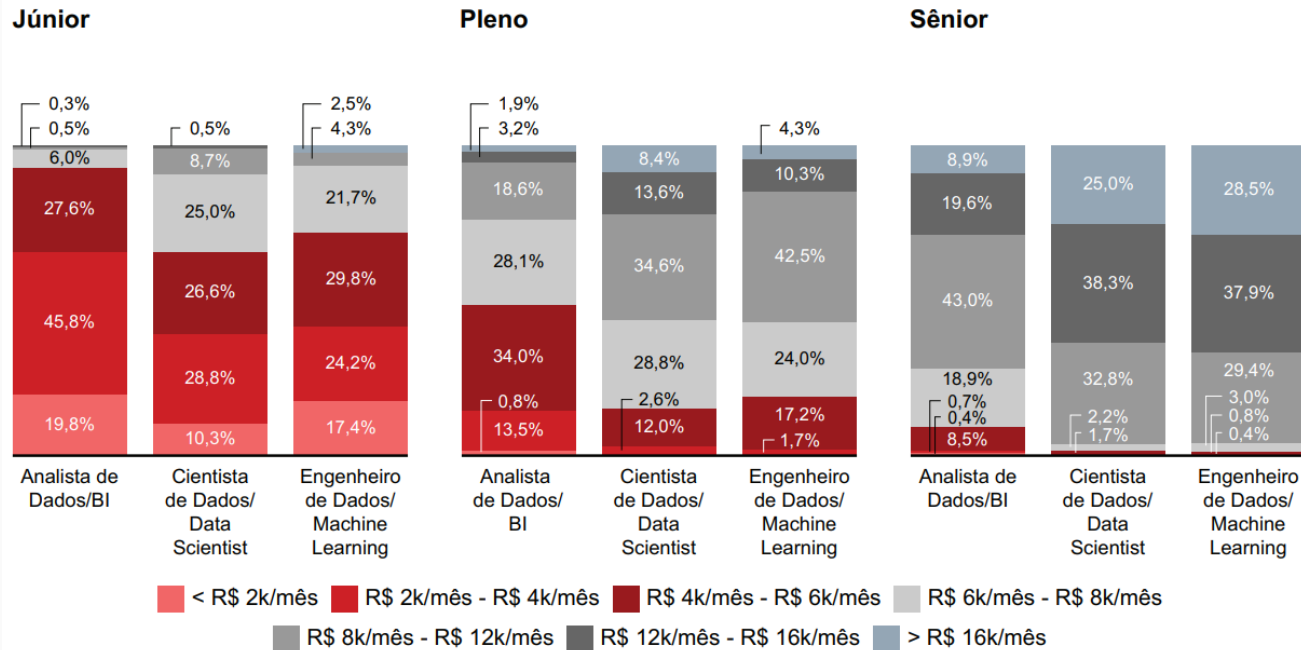
Technologies ranked by the share of organizations surveyed who are likely or highly likely to adopt this technology over the next 5 years



Fonte: World
Economic Forum
[Future of Jobs
Report 2023](#)

Atuação Profissional

Figura 27: Comparação da remuneração por função e nível de cargo



Nota: Desconsidera respondentes que se consideram desempregados, apenas estudantes e que preferiram não informar a situação atual de trabalho

Fonte: Pesquisa State of Data Brasil 2022

Fonte: State of Data 2022
[Um raio-x dos profissionais de dados do Brasil](#)