

# Big Data Computing

## Master's Degree in Computer Science

### 2025-2026



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# The Last Take Home Message

# What Did We (Hopefully) Learn?

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Traditional algorithms/techniques often don't scale very well

There is the need for new "tools" which allow storing, managing, and analyzing big data painlessly

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Mastering the **theoretical** and **practical** aspects of Big Data Computing allows us to **stand out** in a **highly competitive** job market

# A Few Numbers...

The screenshot shows the Indeed website's search interface. At the top, there are three navigation links: 'Find jobs', 'Company reviews', and 'Find salaries'. Below these are two search input fields: 'What' (containing 'big data') and 'Where' (containing 'City, state, or zip code'). A red box highlights the 'What' field. Below the inputs are several filter buttons: 'Remote', 'Date Posted ▾', 'Salary ▾', 'Job Type ▾', 'Location ▾', 'Company ▾', and 'Experience Level ▾'. In the center, there's a call-to-action button 'Upload your resume - Let employers find you'. To the right, another button says 'Be the first to see new big data jobs'. At the bottom left, it shows 'big data jobs' and 'Sort by: relevance - date'. At the bottom right, it shows 'Page 1 of 38,807 jobs' with a question mark icon. A red box also highlights the 'big data' part of the 'What' field.

<https://www.indeed.com/jobs?q=big+data&l=>

# A Few Numbers...

The screenshot shows the Indeed website interface for searching 'big data' jobs. At the top, there are links for 'Find jobs', 'Company reviews', and 'Find salaries'. Below these are two main search input fields: 'What' (containing 'big data') and 'Where' (containing 'City, state, or zip code'). Underneath these are several filter buttons: 'Remote', 'Date Posted ▾', 'Salary ▾', 'Job Type ▾', 'Location ▾', 'Company ▾', and 'Experience Level ▾'. A large button labeled 'Upload your resume - Let employers find you' is visible. To the right, a box encourages users to 'Be the first to see new big data jobs' and includes a 'My email:' field. At the bottom, it shows 'Sort by: relevance - date' and 'Page 1 of 38,807 jobs'.

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# Show Me The Money!

United States 📍 Search

Overview Salaries Skills Jobs Companies Questions Articles

Home / Career Explorer / Data Scientist / Salaries

**How much does a Data Scientist make in the United States?**

Per year ▾



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Overview Salaries Skills Jobs Companies Questions Articles

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## How much does a Data Scientist make in the United States?

Per year ▾

Average base salary ?  
4.6k salaries reported, updated at May 22, 2020

**\$123,516**  
per year

The average salary for a data scientist is \$123,516 per year in the United States.

Most common benefits

- Commuter assistance
- Health savings account
- 401(k)
- Health insurance
- Paid sick time

[View more benefits](#)

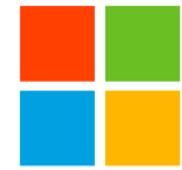


# Seriously, This Is Not Just About The Money!

You may have the chance to land on a job at one of  
the coolest tech companies out there

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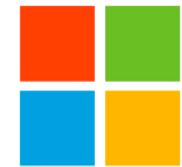
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Or any other renowned company operating on a sector you like

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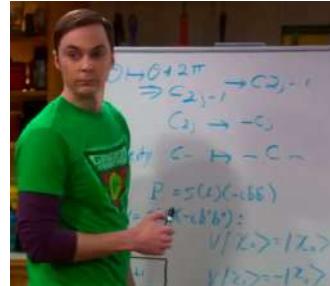
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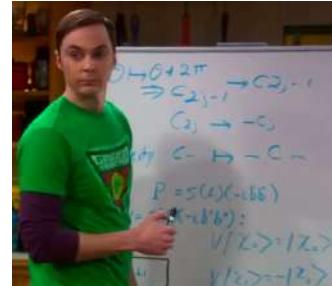
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You may also think of pursuing a career in academic research!



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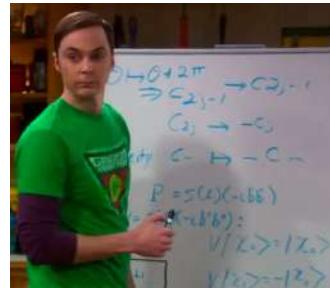
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Autonomous Driving    Federated Learning    Natural Language Processing

Computer Vision

Adversarial Learning

# To Wrap Things Up

If your ambition is to compete for a job at a top-level company, or start a career in academic research you should consider getting a PhD on these topics

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In the meantime, at [HERCOLE Lab](#) we are always looking for **talented** and **passionate** students who wants to work on the following areas

Explainable AI

Federated Learning

Machine Learning Theory

# Thank You!