

Landing Your Dream Job as a Data Scientist

Future.Works **Tech Conference**

LISBON OCT 15 2021

Pedro Balage - Director of Machine Learning @ aisle 3

* Slides available at pedrobalage.com

What Is a Data Scientist? Salary, Skills, and How to Become One

DATA SCIENTIST

A close-up photograph of Leonardo DiCaprio from the movie 'Inception'. He is wearing a black tuxedo with a white shirt and a black bow tie. He is holding a martini glass filled with a clear liquid, looking directly at the camera with a slight, confident smile. The background is dark and out of focus, showing what appears to be a crowded party or event with some lights.

SEXIEST JOB OF THE CENTURY

What I can bring to this talk?

- Director of Machine Learning @ aisle-3

aisle 

- Previously leading teams at

- DefinedCrowd
- Farfetch
- Priberam



DefinedCrowd[®]



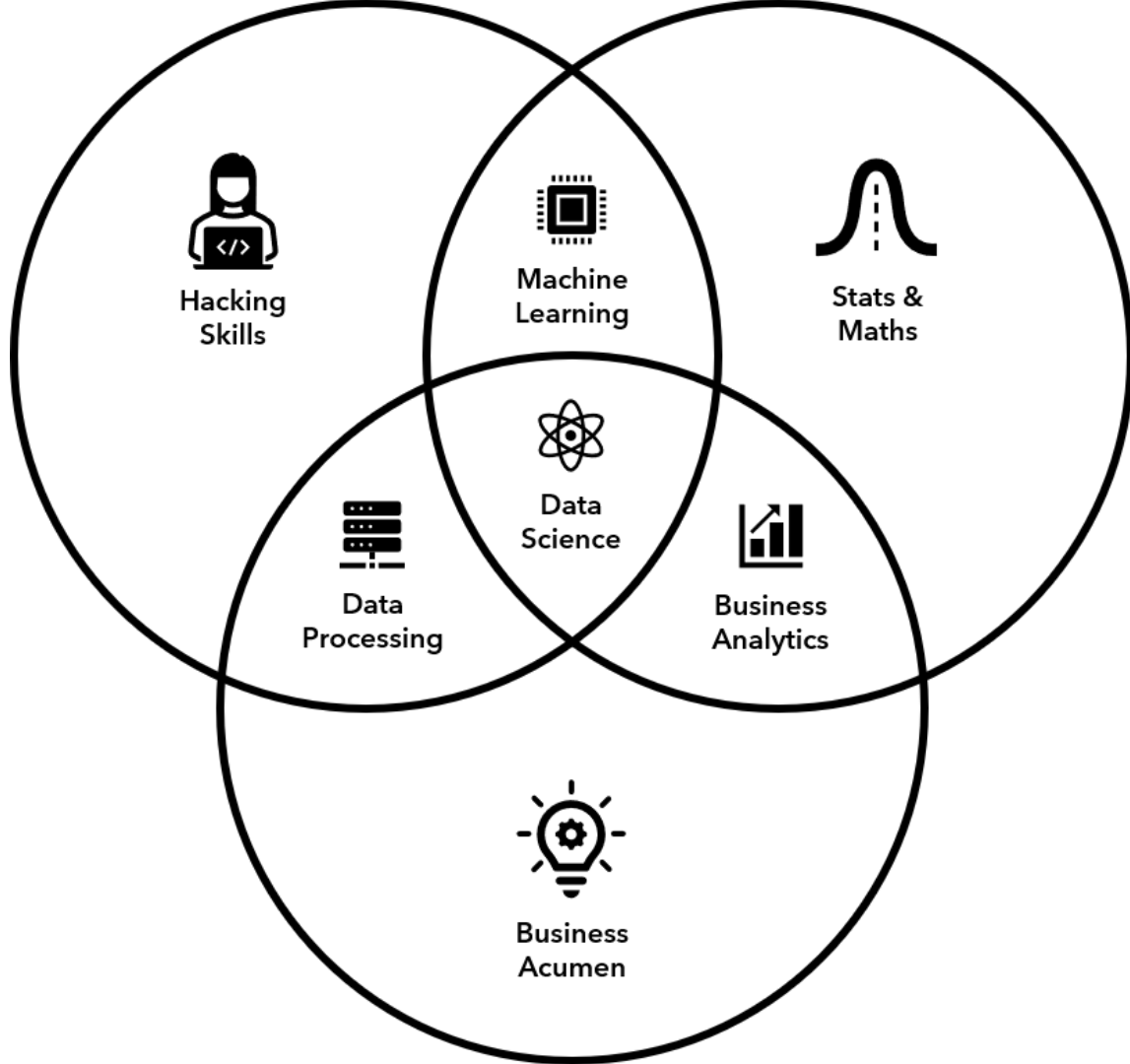
priberam

FARFETCH

- Hired and managed 15+ data scientists



What makes a data scientist?




Hacking Skills


Machine Learning


Stats & Maths


Data Science


Data Processing


Business Analytics


Business Acumen

Past

Today

Data Scientist

Research

**Software
Engineering**

Data Engineering

Analytics

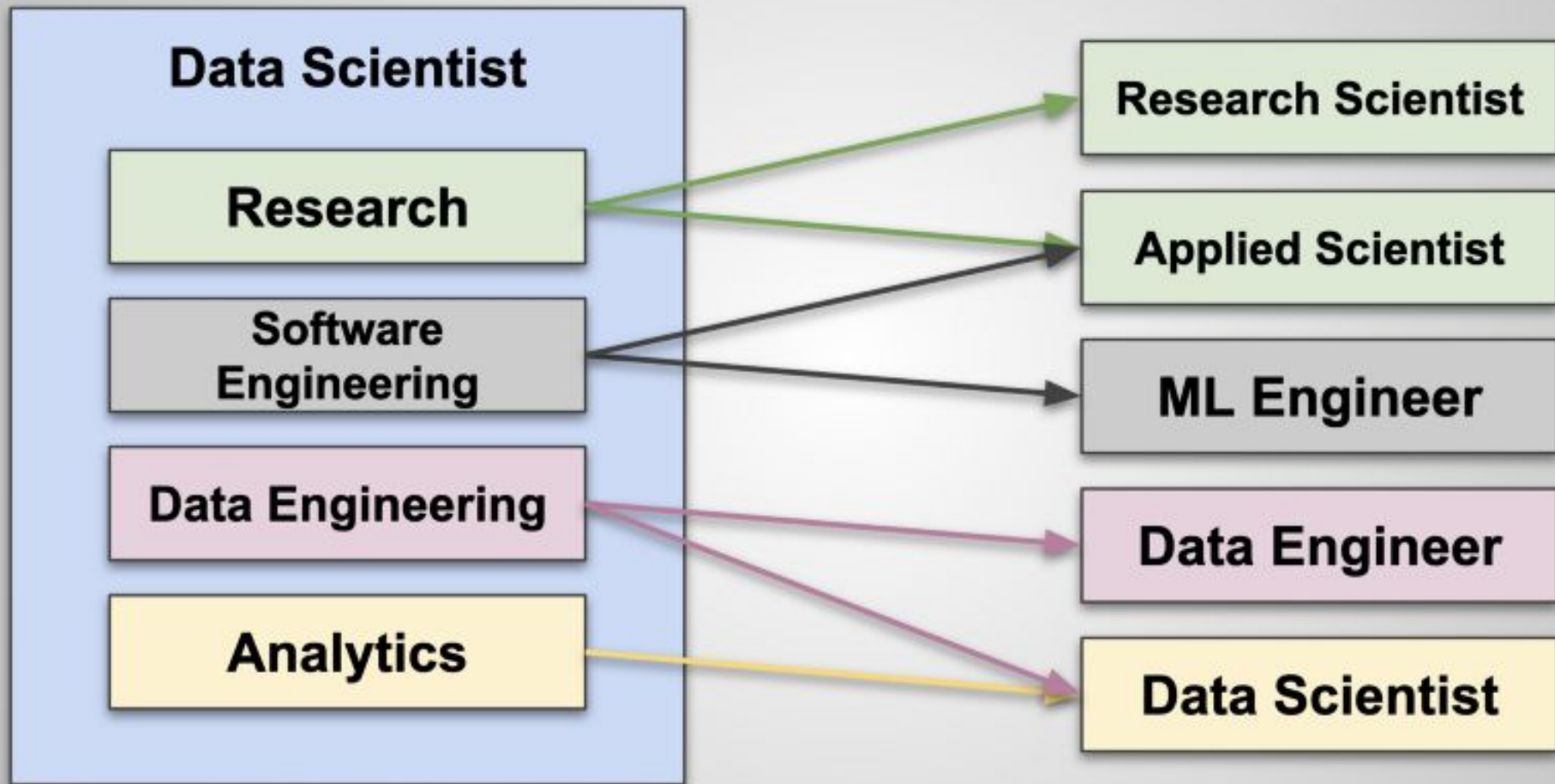
Research Scientist

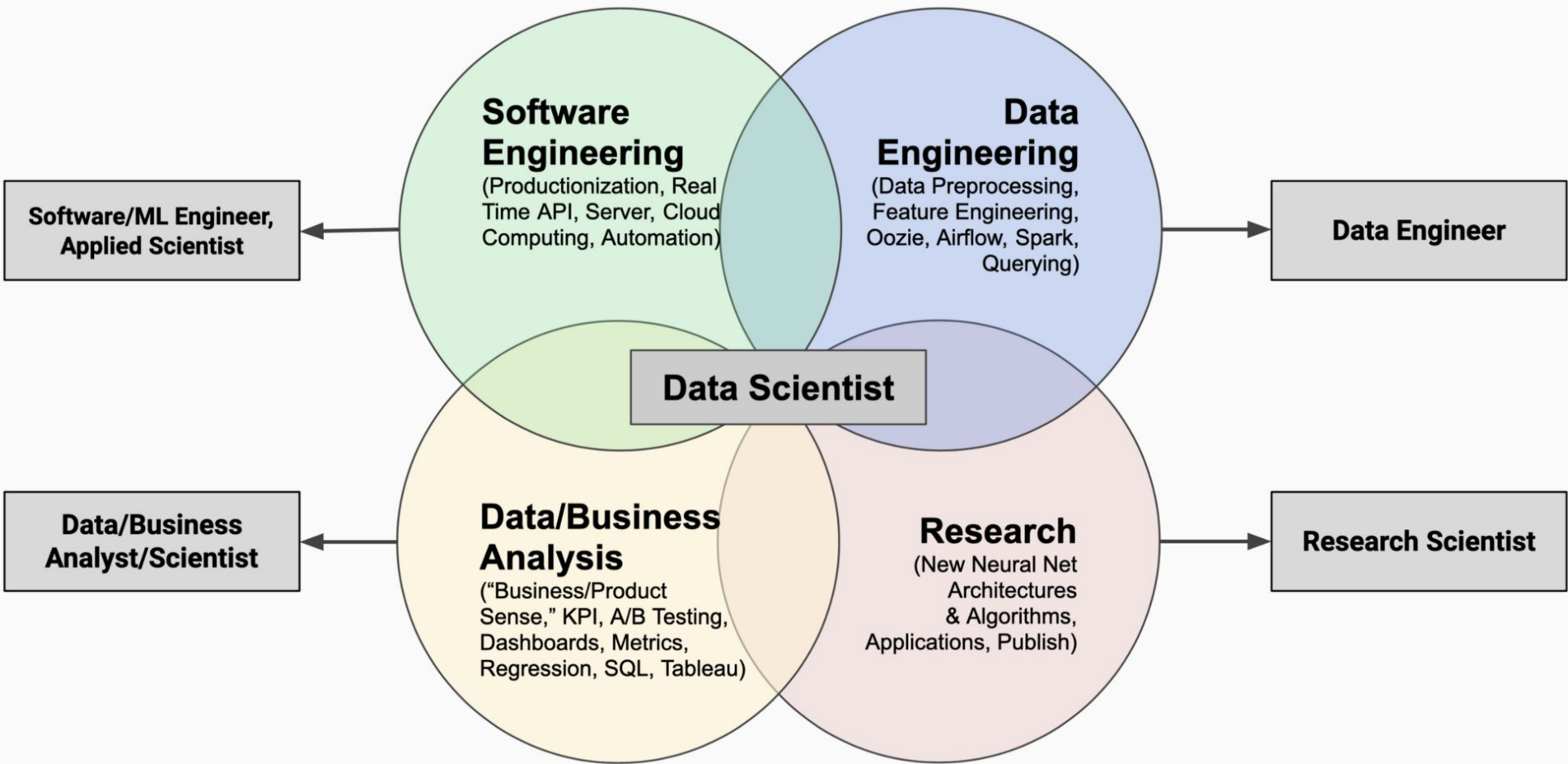
Applied Scientist

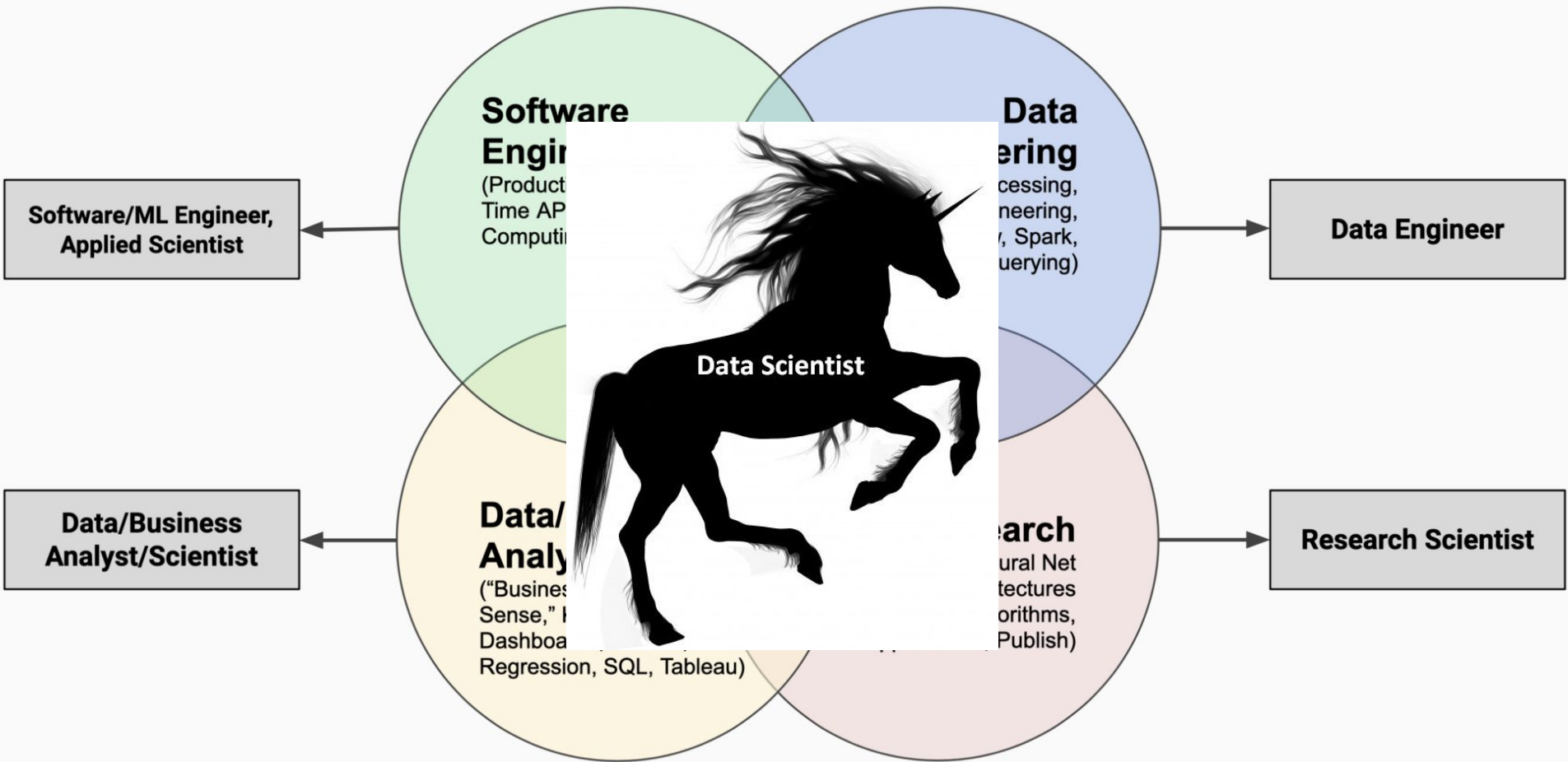
ML Engineer

Data Engineer

Data Scientist







How to become a Data Scientist?

How to become a data scientist in Portugal?

- Take at least three
 - College degree in STEM areas;
 - Masters degree with a machine learning project;
 - Post-Graduation degree in data science;
 - Take a complete course in data science;
 - Strong participation in data science challenges;
 - Previous experience in data science projects in the industry;
 - Active participation in the data science community.

College degree in STEM areas

- Take at least three
 - **College degree in STEM areas;**
 - Masters degree with a machine learning project;
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UNIVERSITÁRIO
DE LISBOA

U LISBOA

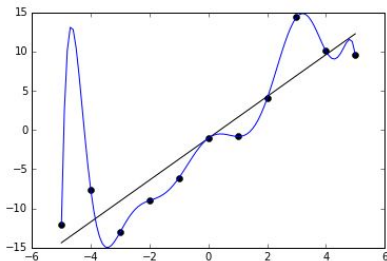
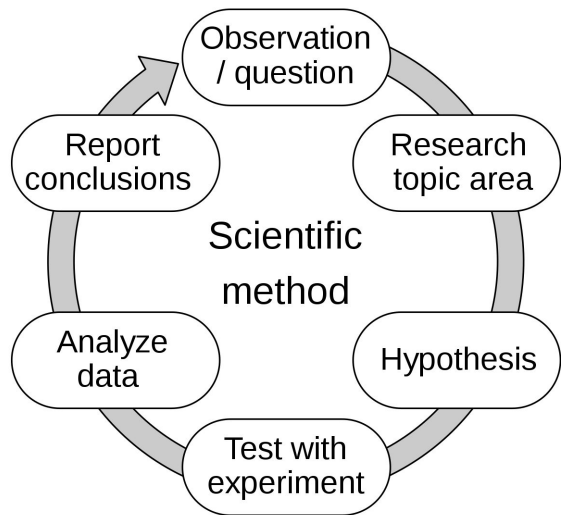


UNIVERSIDADE
CATOLICA
PORTUGUESA

U.PORTO

Masters degree with a machine learning project

- Take at least three
 - College degree in STEM areas;
 - **Masters degree with a machine learning project;**
 - Post-Graduation degree in data science;
 - Take a complete course in data science;
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Post-Graduation degree in data science

- Take at least three
 - College degree in STEM areas;
 - Masters degree with a machine learning project;
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iscte

DATA SCIENCE



LISBON
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FORMAÇÃO AVANÇADA

U. PORTO

NOVA

IMS

Information
Management
School

Take a complete course in data science

- Take at least three
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LISBON
DATA SCIENCE
ACADEMY

coursera

udemy



 **le wagon**

 **DeepLearning.AI**

Strong participation in data science challenges

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kaggle™



CodaLab

DRIVEN DATA

Previous experience in the industry

- Take at least three
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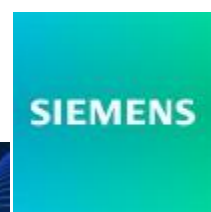
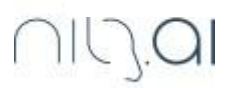
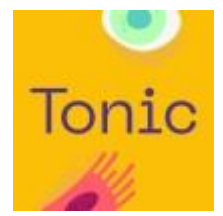


Active participation in the community

- Take at least three
 - College degree in STEM areas;
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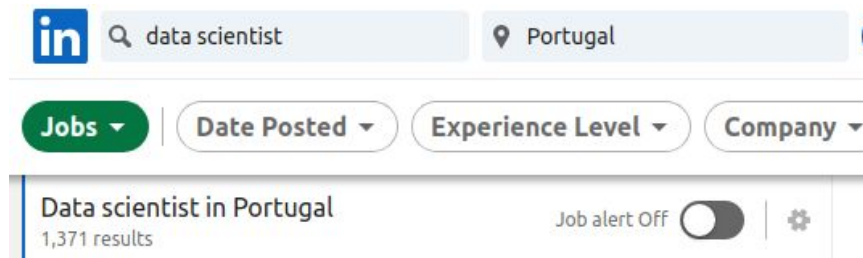


Where can I work as a Data Scientist?



How do I look for data science opportunities?

- LinkedIn
- Landing.jobs
- Careers page for each company
- Referrals

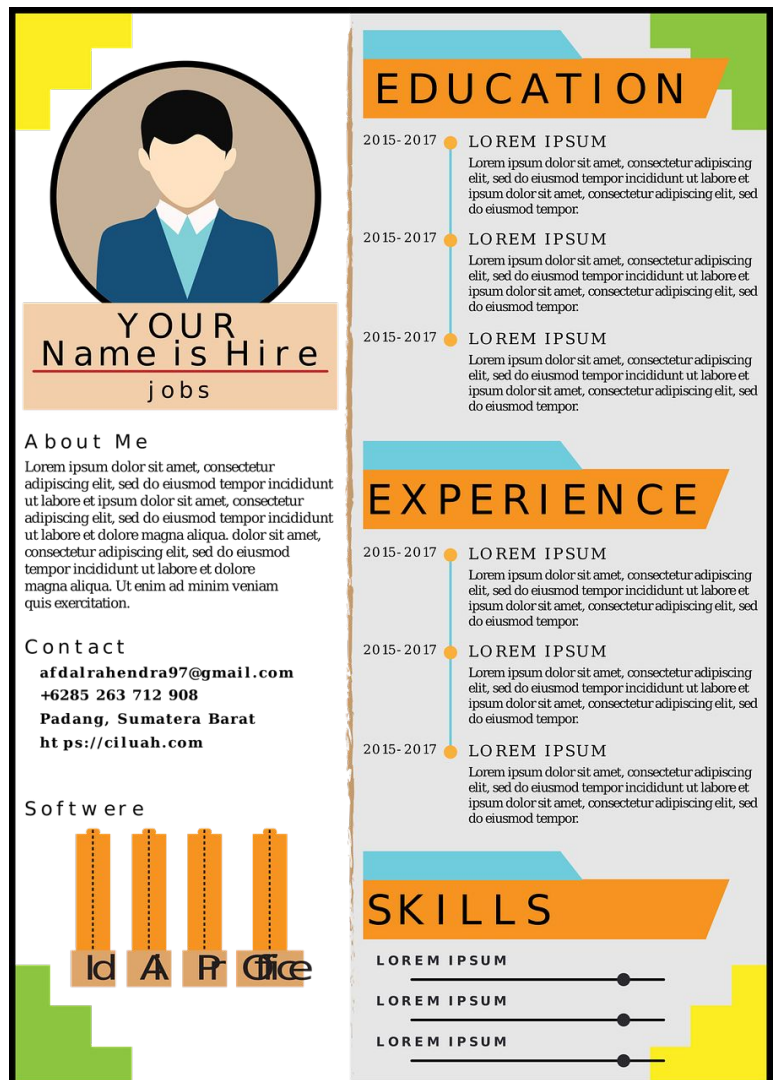


What do I look when I hire a Data
Scientist?

Experience

- Which college did you attend?
- Which past experiences you have?
- Why are you interested in this position?

A one page CV should be enough to guide this discussion.





Skills

- What do you know?
- What is your skill level in Python and ML?

Discussion of past experience will be good for evaluating your abilities. We can also ask questions about your solution.

Culture

- What would do in this situation?
- What do you read to stay up to date?

We look for candidates who fit and grow with the company.

This is the most important aspect of candidate assessment!



Salary Expectations



Data Scientist Salaries Portugal

For Employers

Post Jobs

- Overview
- Salaries**
- Interviews
- Insights
- Career Path

How much does a Data Scientist make?

Updated Oct 8, 2021

Industry

All industries

Employer Size

All company sizes

Experience

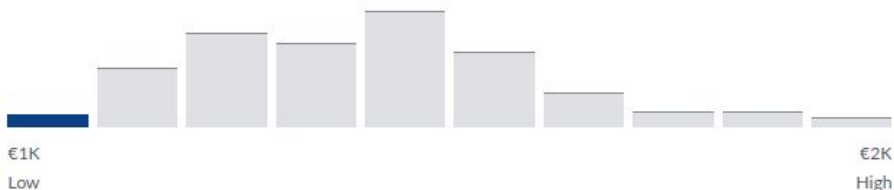
All years of Experience

Very High Confidence

€1,510 /mo

Average Base Pay

83 salaries



No additional cash compensation has been reported for this role

The national average salary for Data Scientist is €1,510 per month in Portugal. Filter by location to see Data Scientist salaries in your area. Salaries estimates are based on 83 salaries submitted anonymously to Glassdoor by Data Scientist employees.

Seniority Levels

- L2 Data Scientist**
€1,510 /mo
- L3 Senior Data Scientist**
€47,528 /yr
- L4 Data Scientist IV**
No Salary Reports

[Career Path](#)



What impacts the salary range?

The market does not have enough senior profiles

- Lack of experienced data scientists
- Experienced data scientists are leaving to other European countries

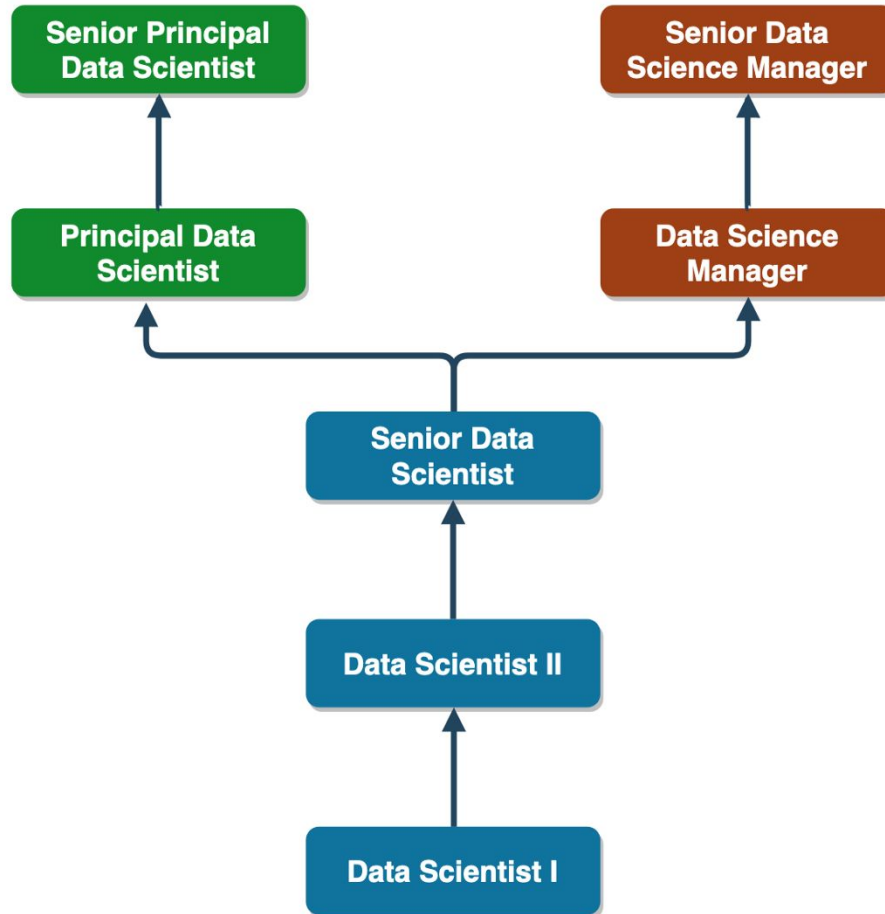
Different salary scales

- Local Businesses
- International companies
- Startups and Scaleups

Difficulties to "sell" DS internally

- Inexperienced managers / leadership
- Lack of a data culture

Career Paths



It takes time to develop a
career in data science.

Care and Feeding

How to make a data scientist happy?

- Learn from experienced data scientists
- Journal Club
- Challenges and Hackathons
- Show & Tell
- Powerful equipment

And, most important:

- **Support, ownership, and purpose**

[Link for the book PDF](#)

O'REILLY®

The Care and Feeding of Data Scientists

How to Build, Manage, and Retain a Data Science Team

Michelangelo D'Agostino
& Katie Malone

Thanks!

I am hiring data scientists :)



@pedrobalage

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