

Data Science **vs.** Data Analytics

Anish Mahapatra | 10 April, 2023



Agenda

01 Introduction

02 What is Data Science?

03 What is Data Analytics?

04 Why to choose Data Science or Data Analytics?

05 Tools & Technologies, Job Strategies and CTC

06 Let's Talk!

Introduction: Am I worth your time?

② Anish Mahapatra. Google me.

Anish Mahapatra

Senior Data Scientist

Fortune 200 Retail Giant

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- Mentored over 2000+ people in Data Science
- Senior Data Scientist at a Fortune 200 company
- Writer, Teacher, Webinar Expert in Data Science
- Consultant to 7+ Fortune 500 companies
- Subject Matter Expert in multiple Data Science Topics including Chatbots, Kafka, ML & AI
- PGD from IIIT Bangalore + MSc in Data Science
- 6 years of experience in Data Science

Lead Data Scientist



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GitHub: www.github.com/anishmahapatra



Q. How to get into Data Science?
A. Simple, ask a real-world Data Scientist.

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What is Data Science?

01



Mathematics

Understanding the fundamentals of Data Science requires mathematics

02



Business

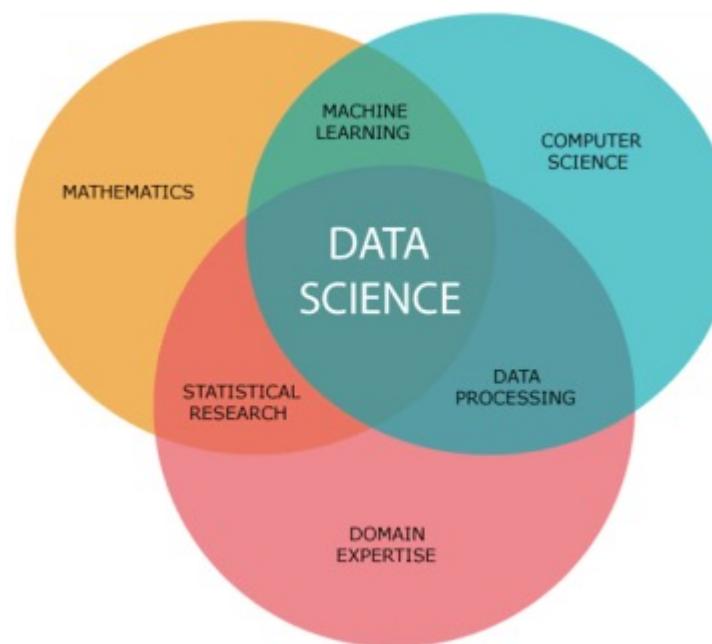
Business is the core of every Data Science problem

03

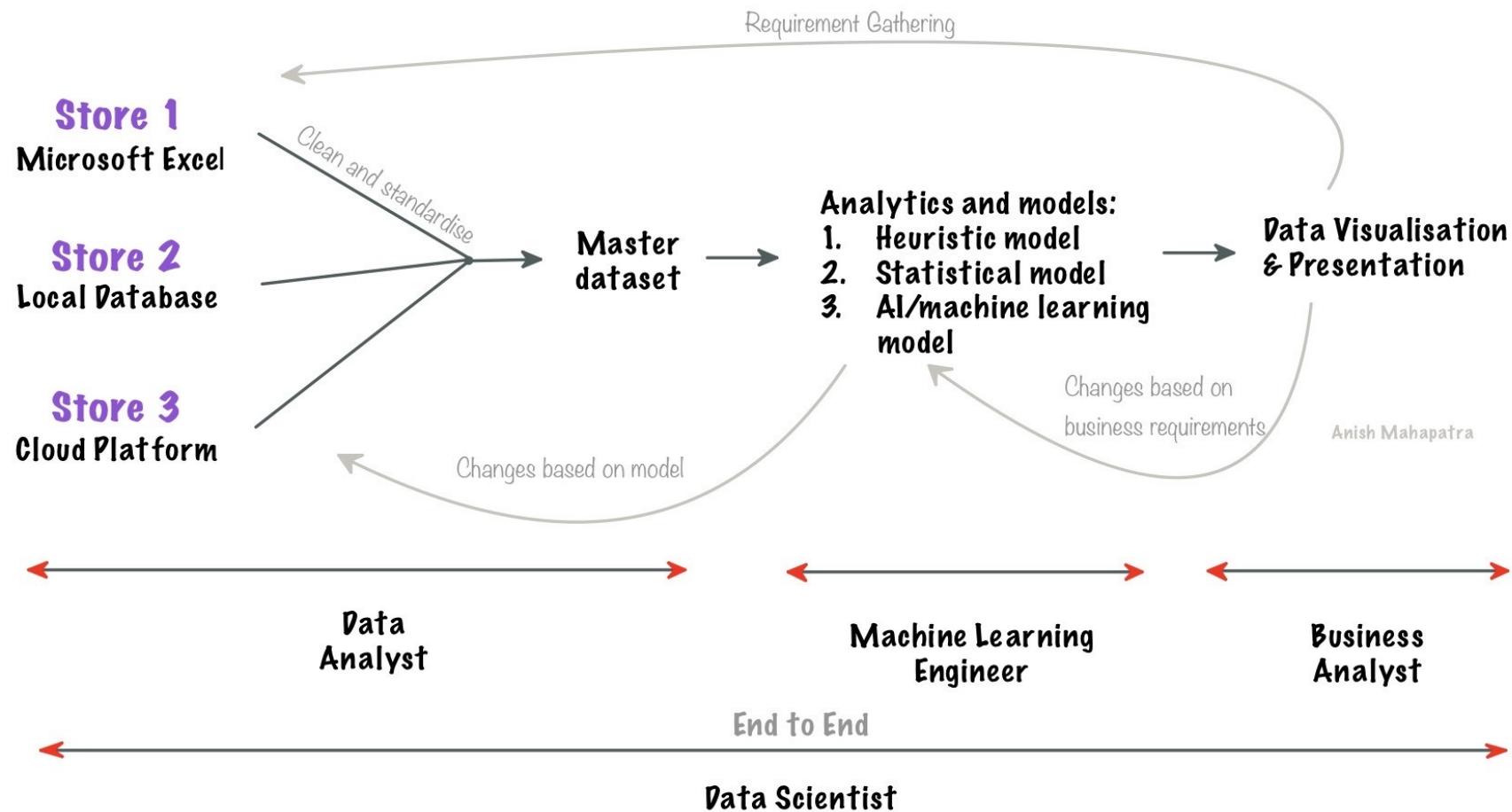


Technology

Evolving technology is what keeps Data Science ahead of every other industry



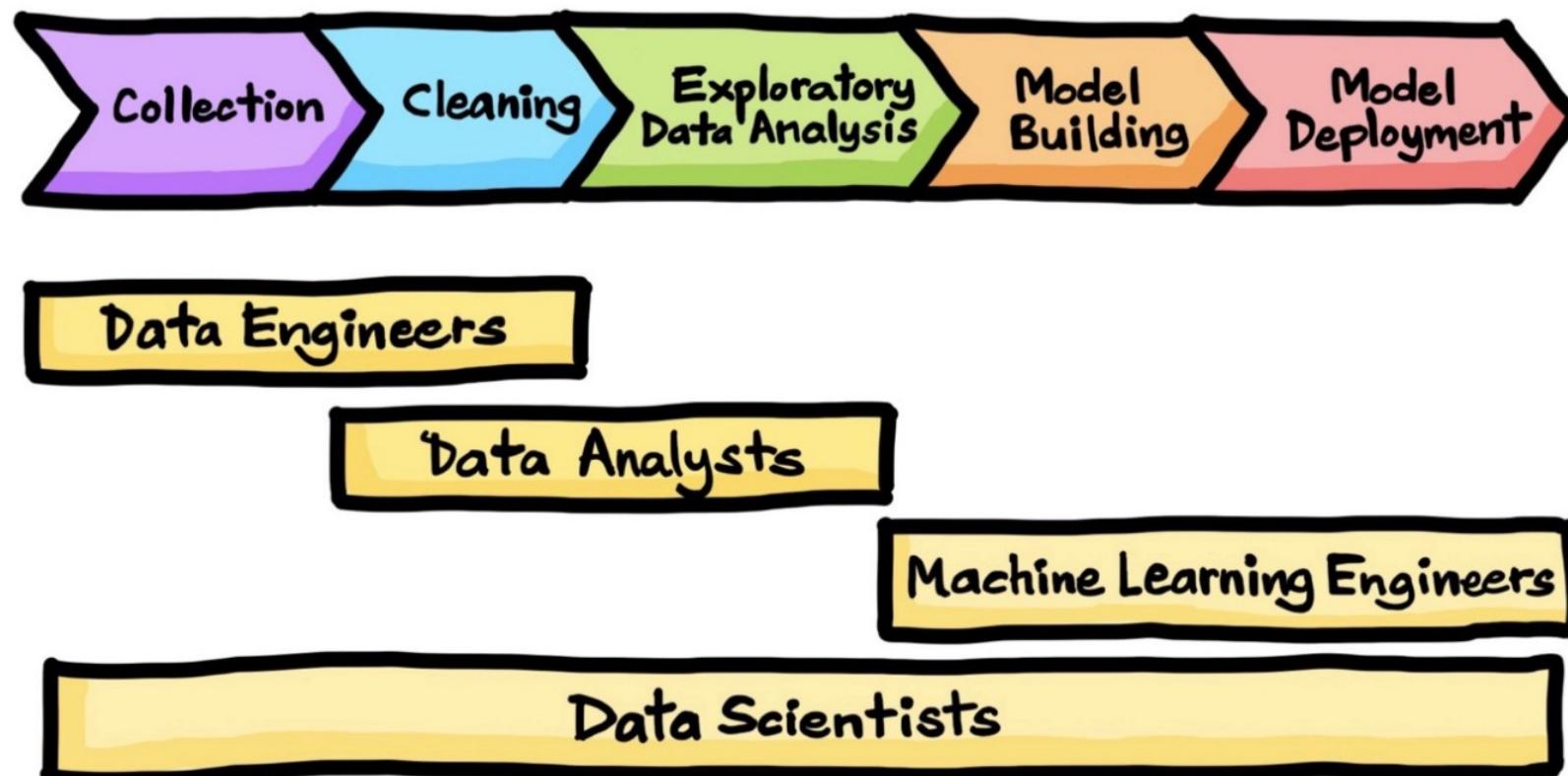
What is Data Science?



The roles in Data Science
by Anish Mahapatra

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What is Data Science?



Why choose Data Science?

01



Relevance in the future

Companies are building and growing in Data and it is the future.

02



Business & Technology

Data Science is a combination of Business, Math and Technology, so growth can be in business / technology

03



Industry-Agnostic

Use your existing knowledge / domain / technology expertise with a data-edge

04

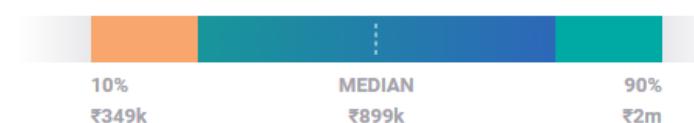


Extremely High Market Demand

Supply-Demand mismatch means companies are willing to pay more

₹898,897 / year ▾

Avg. Base Salary (INR)



The average salary for a Data Scientist is ₹898,897

Base Salary ⓘ

₹349k - ₹2m

Bonus

₹20k - ₹313k

Profit Sharing

₹5k - ₹484k

Commission

₹36k - ₹246k

Total Pay ⓘ

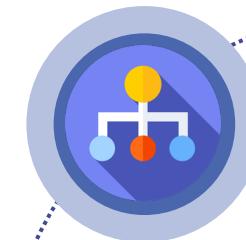
₹364k - ₹2m

Based on 3,366 salary profiles (last updated Jan 31 2023)

What is Data Analytics?

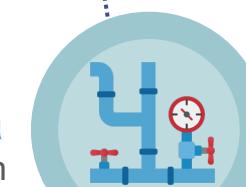
Understand the patterns & structure of data

Data Analysts need to understand how the data is stored and structured



Build pipelines to enable the flow of data

Data pipelines are an integral part of data lifecycle



Deal with the tracking of data and understand databases

Tracking and maintaining large pipelines is an integral part of the Data Analyst's job



Track the quality and governance of data

It is important that the right people have access to the right set of data



Own the Data

In any organization, Data Analyst's own parts of the data flow, and can add a lot of value

Why choose Data Science or Data Analytics?

Area of Interest in the Data Field

It is critical to understand yourself and your areas of interest to understand where you belong



Domain Expertise

Based on your previous experience, you can decide which area you would like to go into



Market Supply-Demand

Always follow the market. Understanding the supply and demand curves of the market will help you get the best paying job



Tools & Technologies

Having the right tools and skillset can help you navigate the right jobs



How to leverage a degree to get there?

01

Set Target

Understand the Data Field,
Understand roles & responsibilities,
Look at a 5-year path

02

Talk to people

Talk to people who are already
doing what you want to do

03

Build LinkedIn Profile

Add certifications, participate in
competitions,
do simple projects,
look at how the best of the best do it

06

Build Collaterals & Profile (30%)

GitHub, LinkedIn,
Medium, Brand Profiling

05

Globally Accepted Degree (70%)

Globally recognized degree,
Degree Accepted by MNCs,
Possibility of PhD later,
Alumni Status
Bonus - WES Certification, Teachers from
the industry

04

Explore Certifications

Multiple certifications don't help,
the quality of it does.

Components of an Online Degree

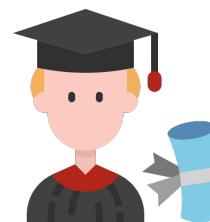
Q. What do you really want from a Degree?

01



**All Companies should
recognize my degree**

Companies like Amazon, Microsoft, Fortune 500:
all recognize this as a full-fledged
Post graduate and Master's Degree



02



**My Degree should be
Recognized globally**

India or Abroad, everyone should recognize
my degree. This is possible because of the
WES Certification

03



**I should be able to get a transition
my job or get a jump in my salary**

On Average, having a relevant MSc Degree
will get you 40% more in the market

04



**Possibility of
Higher Studies**

If you wish, you should be able to
pursue even higher degrees later

The Main Question

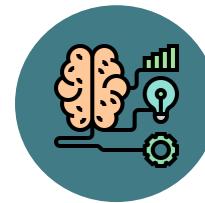
So, was it worth it to get a degree in Data Science?

Did it help in the real-world?

Tools & Technologies in Data Science



Data Analyst



Machine Learning Engineer



Business Analyst



Data Scientist

upGrad



FAQs

1. Will UpGrad give me a job?

2. What if UpGrad stops responding after I register?

3. What is the difference from doing a course offline or abroad?

4. When should I do the course?

Resume Optimization



- Showcase of LinkedIn Profile
- Advanced Features of LinkedIn
- Beat the ATS
- Resume Optimization Strategy
- How to find the CTC you deserve?

Demo

Job Search Strategies



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Key Takeaways

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