



Data science Uncovered

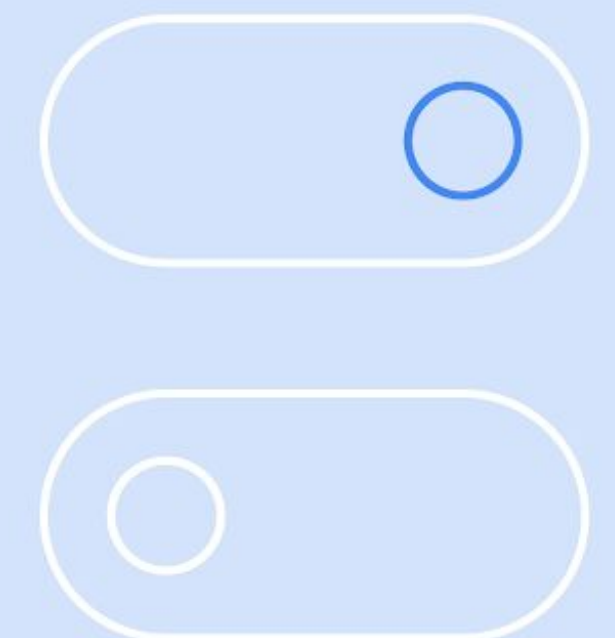
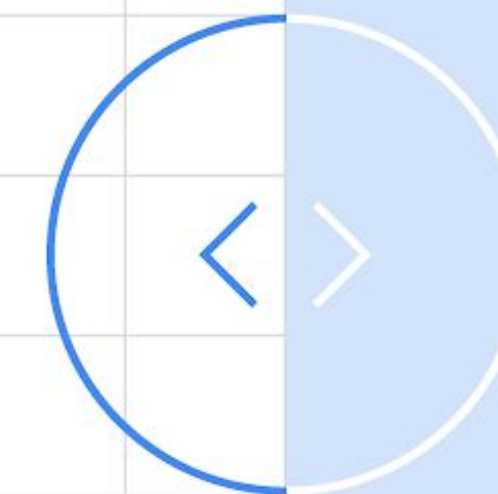
How to get started with Data Science – For Developers



Bhavesh Bhatt

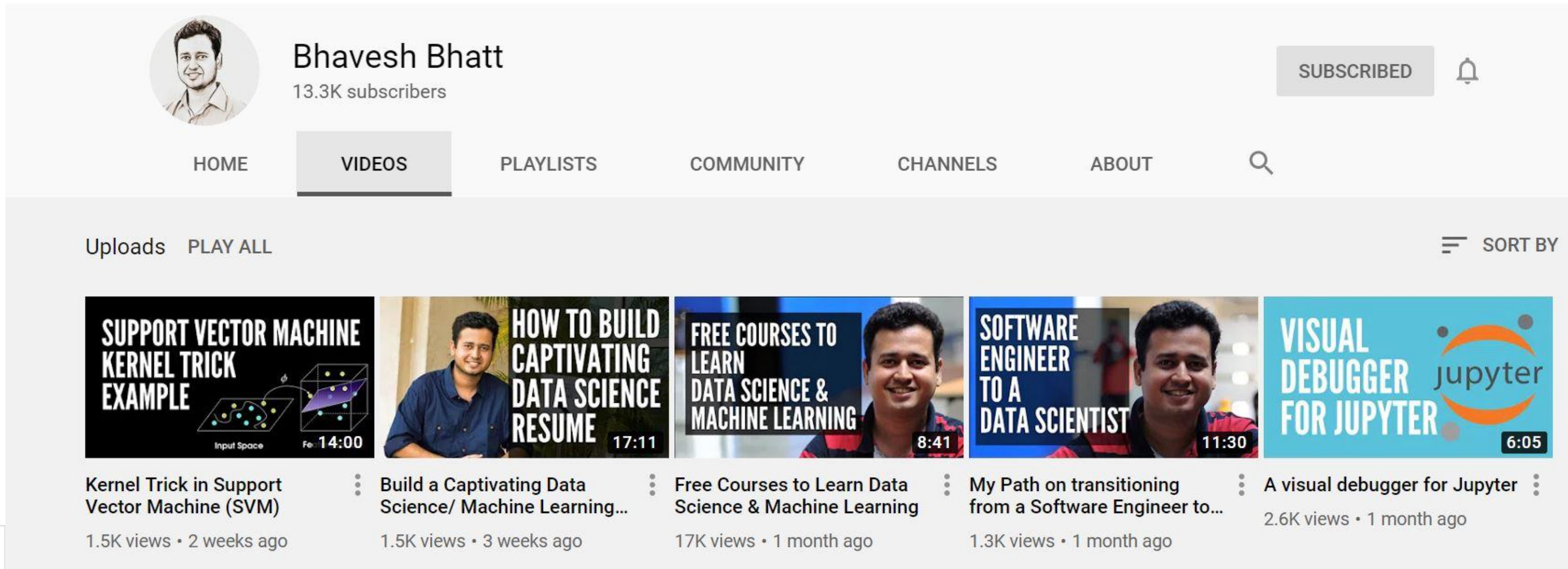
[@_bhaveshbhatt](https://twitter.com/_bhaveshbhatt)

Google Developers



echo \$(whoami)

- [Data Science/Machine Learning YouTube Channel](#)

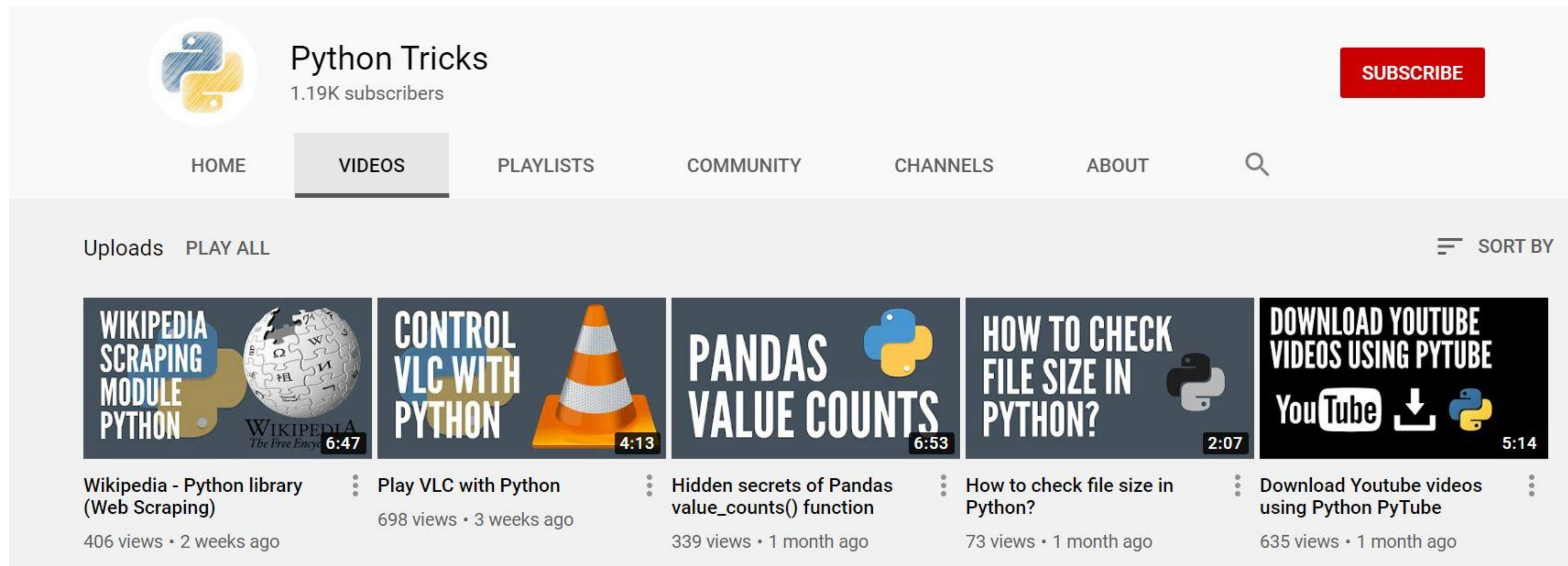


The screenshot shows the YouTube channel page for Bhavesh Bhatt, who has 13.3K subscribers. The channel is subscribed to, and the 'VIDEOS' tab is selected. The page displays five video uploads:

- SUPPORT VECTOR MACHINE KERNEL TRICK EXAMPLE**: A video showing a 3D plot of input space and feature space. Duration: 14:00. 1.5K views • 2 weeks ago.
- HOW TO BUILD CAPTIVATING DATA SCIENCE RESUME**: A video featuring Bhavesh Bhatt. Duration: 17:11. 1.5K views • 3 weeks ago.
- FREE COURSES TO LEARN DATA SCIENCE & MACHINE LEARNING**: A video featuring Bhavesh Bhatt. Duration: 8:41. 17K views • 1 month ago.
- SOFTWARE ENGINEER TO A DATA SCIENTIST**: A video featuring Bhavesh Bhatt. Duration: 11:30. 1.3K views • 1 month ago.
- VISUAL DEBUGGER FOR JUPYTER**: A video featuring the Jupyter logo. Duration: 6:05. 2.6K views • 1 month ago.

echo \$(whoami)

- [Python Channel](#)



The screenshot displays the YouTube channel page for 'Python Tricks', which has 1.19K subscribers. The channel's profile picture is the Python logo. The navigation bar includes links for HOME, VIDEOS (which is the active tab), PLAYLISTS, COMMUNITY, CHANNELS, and ABOUT, along with a search icon. Below the navigation bar, there are tabs for 'Uploads' and 'PLAY ALL', and a 'SORT BY' dropdown menu. The main content area shows a grid of five video thumbnails:

- Wikipedia - Python library (Web Scrapping)**: 406 views • 2 weeks ago. Duration: 6:47. Thumbnail features the text 'WIKIPEDIA SCRAPING MODULE PYTHON' and a globe icon.
- Play VLC with Python**: 698 views • 3 weeks ago. Duration: 4:13. Thumbnail features the text 'CONTROL VLC WITH PYTHON' and a VLC traffic cone icon.
- Hidden secrets of Pandas value_counts() function**: 339 views • 1 month ago. Duration: 6:53. Thumbnail features the text 'PANDAS VALUE COUNTS' and the Python logo.
- How to check file size in Python?**: 73 views • 1 month ago. Duration: 2:07. Thumbnail features the text 'HOW TO CHECK FILE SIZE IN PYTHON?' and the Python logo.
- Download Youtube videos using Python PyTube**: 635 views • 1 month ago. Duration: 5:14. Thumbnail features the text 'DOWNLOAD YOUTUBE VIDEOS USING PYTUBE', the YouTube logo, a download icon, and the Python logo.

echo \$(whoami)

- Google Developer Expert (Machine Learning)

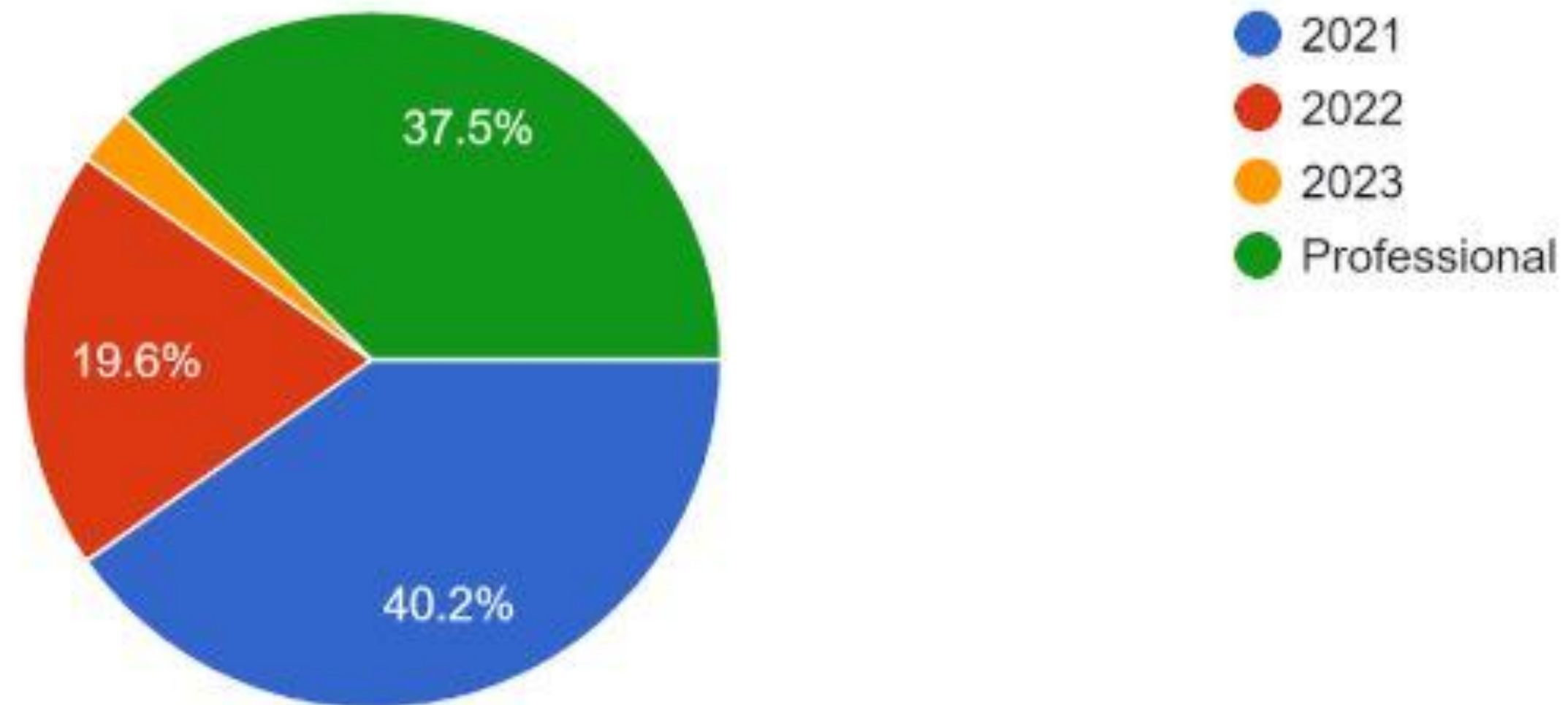


- Awarded the prestigious 40 Under 40 Data Scientist award by Analytics India Magazine in January 2020.

Understanding the Audience

Batch

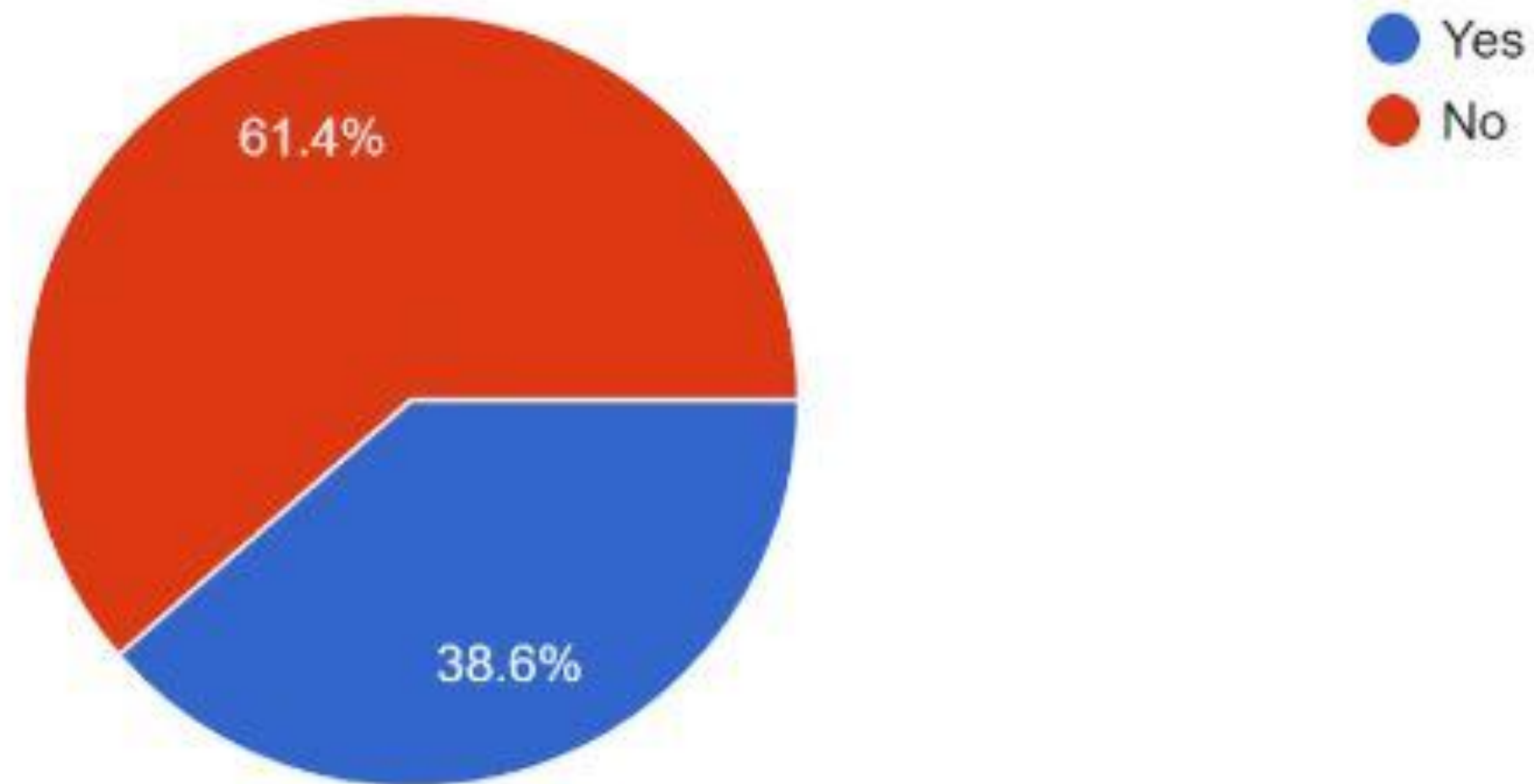
184 responses



Understanding the Audience

Have you ever worked with Data Science before?

184 responses



Agenda

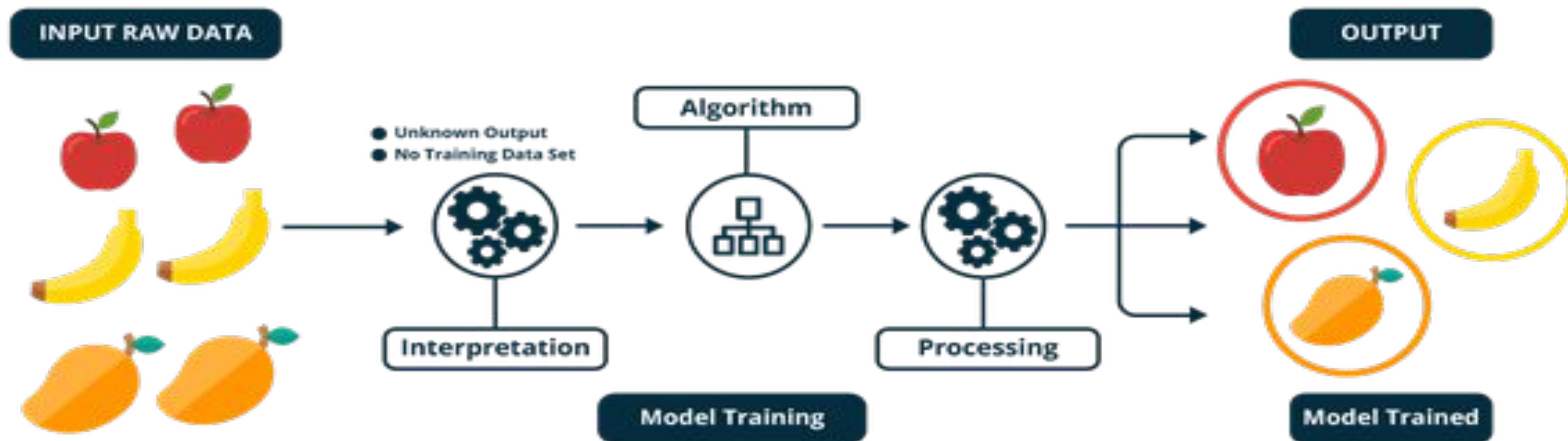
- What is Machine Learning?
- What are the various applications of ML?
- How to start learning Machine Learning?
- Q & A

What is Machine Learning?

A computer program is said to learn from experience E with respect to some class of tasks T and performance measure P if its performance at tasks in T , as measured by P , improves with experience E .

What is Machine Learning?

Machine learning provides computers with the ability to learn without being explicitly programmed.



Applications of Machine Learning

- Have you ever shopped online? while checking for a product, did you notice it recommends product similar to what you are looking for?
- Did you see "the person bought this product also bought this" combination of products.



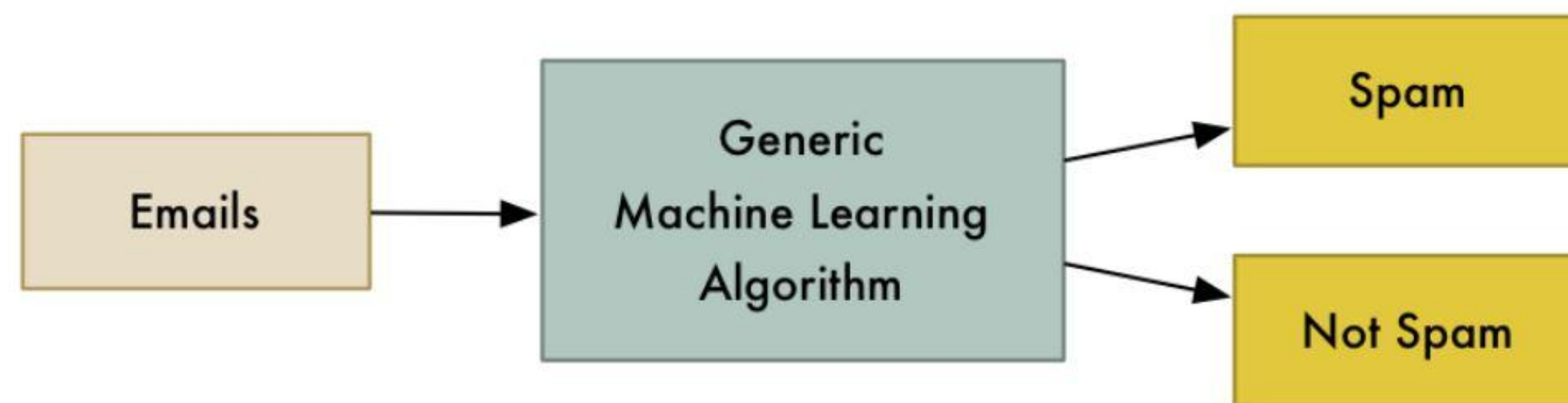
Applications of Machine Learning

- Did you ever get a call from any bank asking you to take loan or any insurance policy? Do they call everyone?
- No, they call only selected customers who they think will purchase their product.



Applications of Machine Learning

- From Netflix's recommendation engine to Google's self driving car, it's all machine learning.



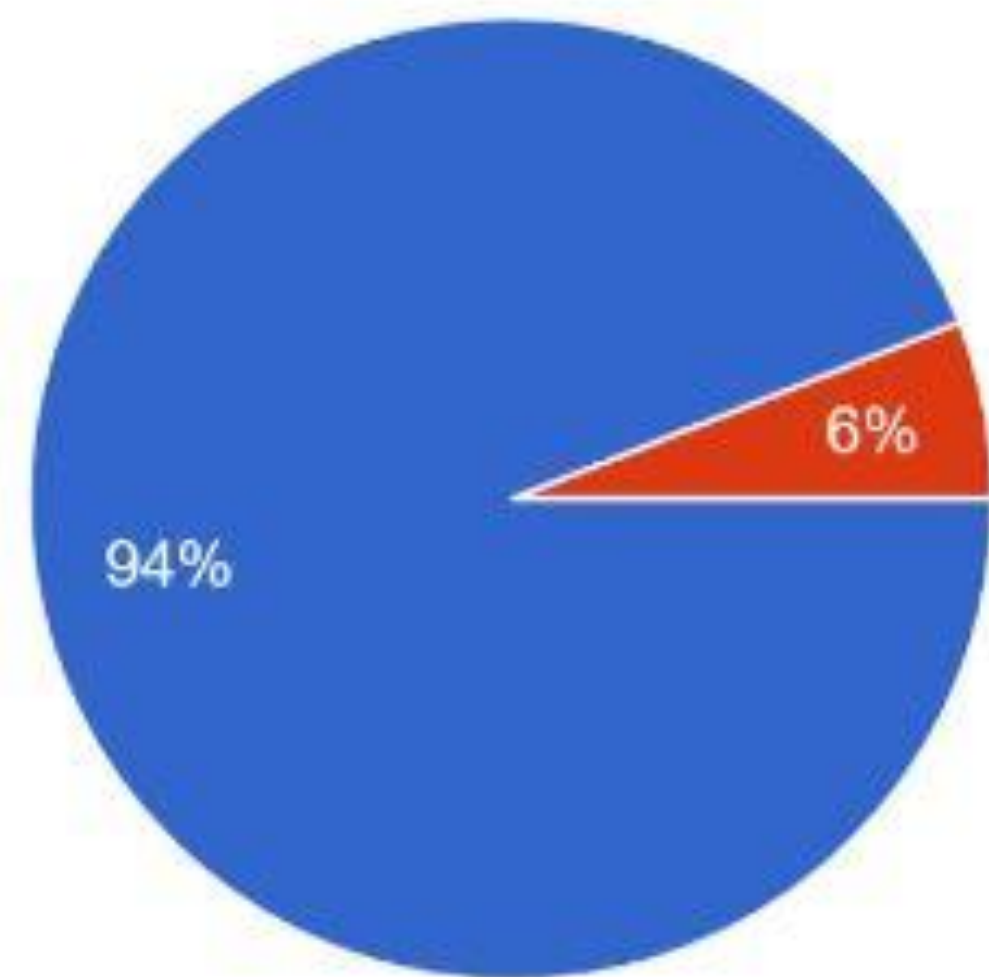
Q&A

- How much knowledge of Maths is required? And what topics?
- How much & from where, should I learn calculus & linear algebra which is good enough to learn data science, ML & AI?

Understanding the Audience

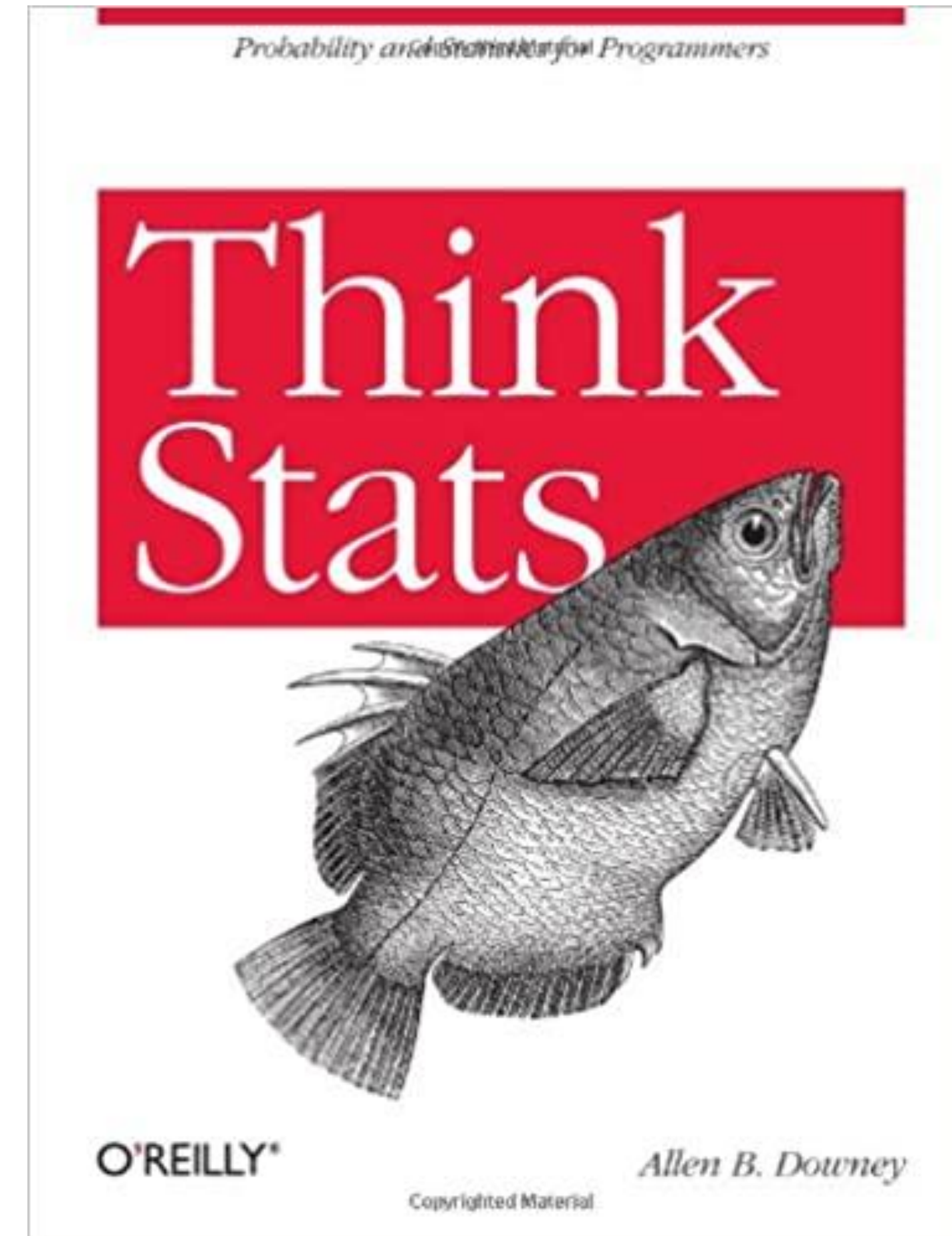
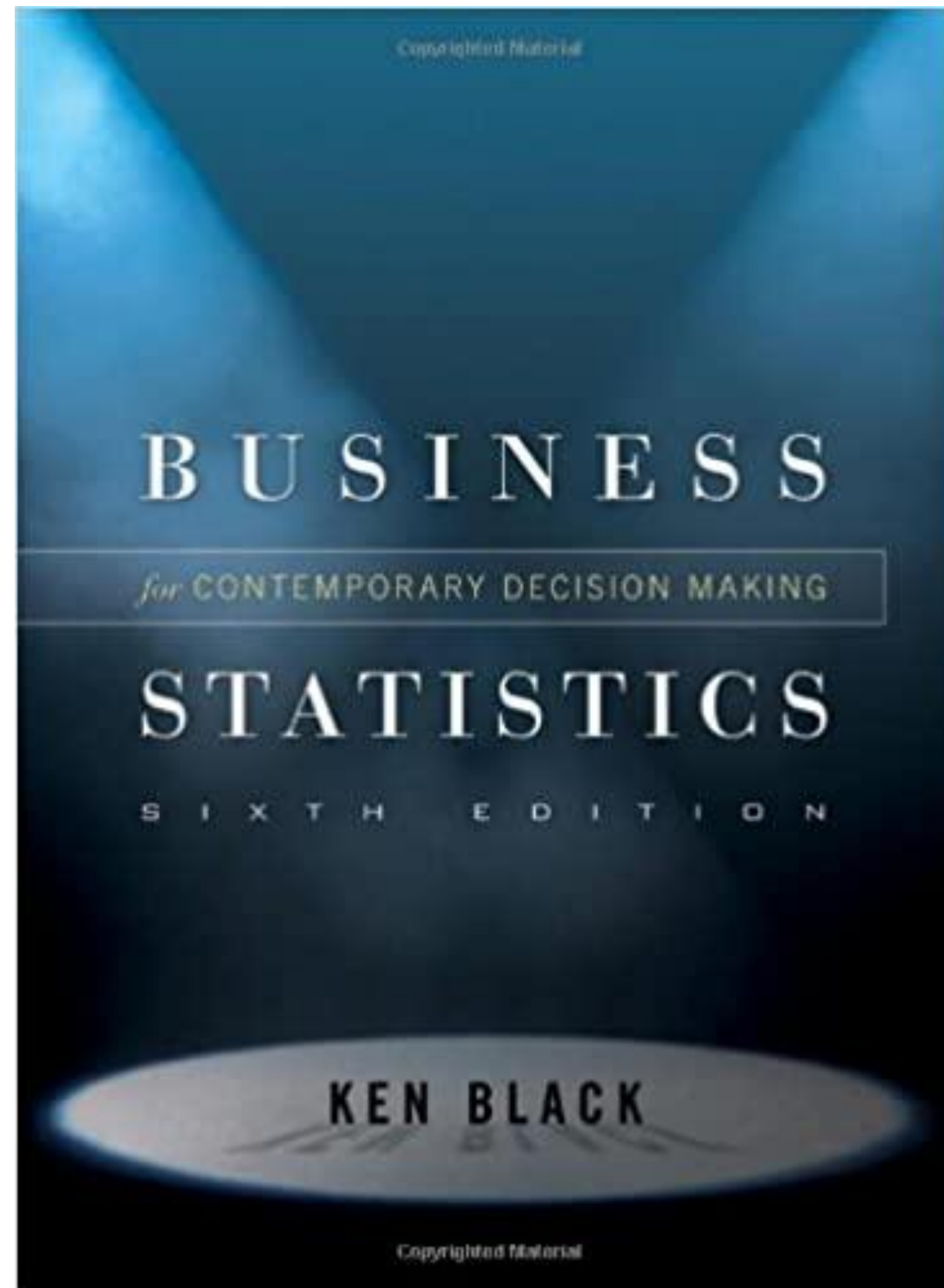
Do you think Math is Required for Machine Learning?

184 responses

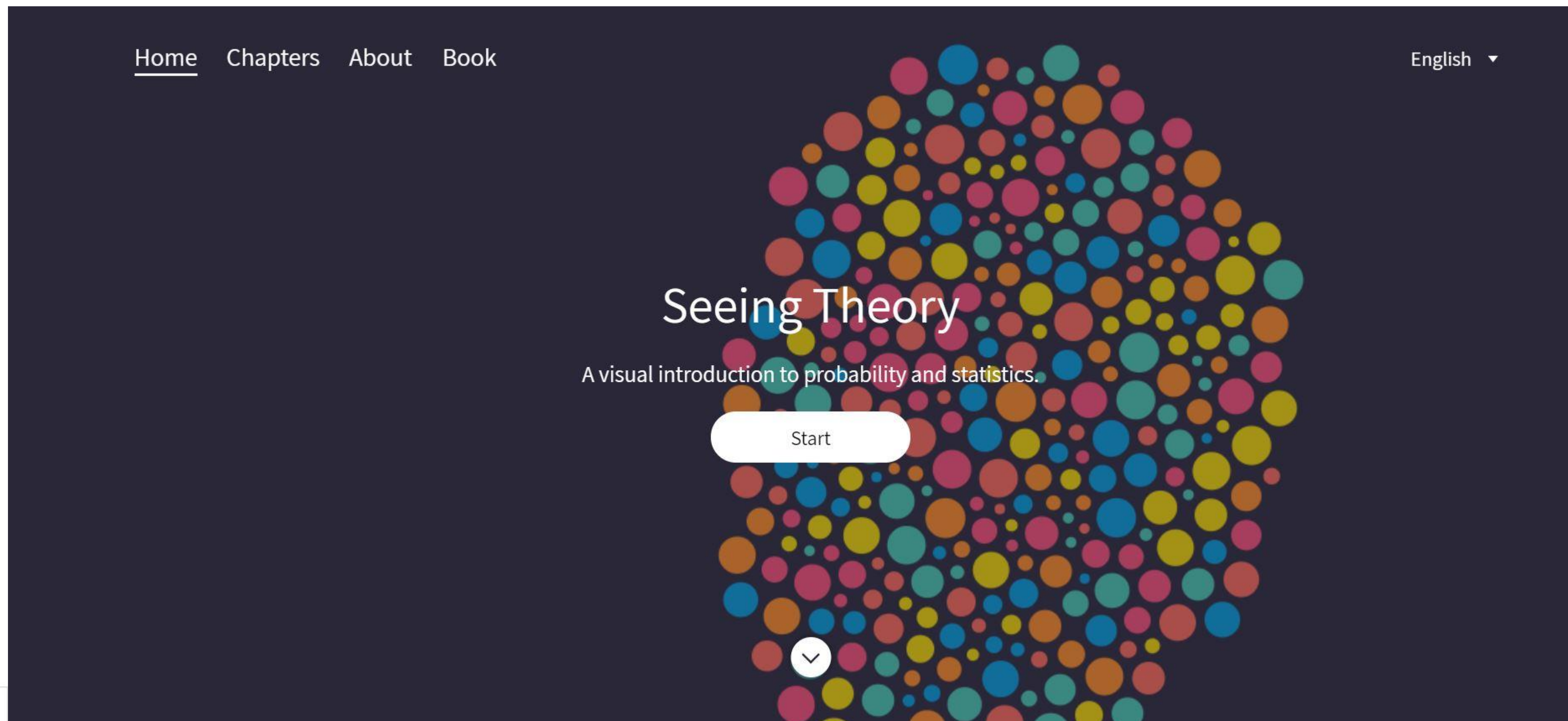


● Yes
● No

Starting Maths



seeing-theory.brown.edu



Starting Maths

coursera

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Q&A

- There are so many resources over internet. It would be helpful if you give a minute or two for road map one should follow.
- There are lot of courses and materials on Data science and ML. I would like to know, how one should start this journey and start seeing results without getting lost in this world of data.

Q&A

- Please let us know some resources to learn ML and also how to improve profile for a career transition.
- How to become a ML expert? I mean what is the path for it.

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Stanford

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Andrew Ng

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 Experts

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Starting Machine Learning

- Springer has released 65 Machine Learning and Data books for free (end of July)

<https://towardsdatascience.com/springer-has-released-65-machine-learning-and-data-books-for-free-961f8181f189>

Q&A

Can you please specify how to get started with Kaggle. Also, do speak about the Prerequisites for a beginner to start with Data Science field?

Starting Machine Learning

kaggle

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All Categories

Default Sort

Jigsaw Multilingual Toxic Comment Classification

Use TPUs to identify toxicity comments across multiple languages

Featured • 2 months to go • Code Competition • 728 Teams

\$50,000

M5

M5 Forecasting - Accuracy

Estimate the unit sales of Walmart retail goods

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M5

M5 Forecasting - Uncertainty

Estimate the uncertainty distribution of Walmart unit sales.

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THE UNIVERSITY of LIVERPOOL

University of Liverpool - Ion Switching

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Experts

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Starting Machine Learning



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316 papers with code

Pose Estimation

61 leaderboards

295 papers with code

[▶ See all 758 tasks](#)

Q&A

Recruiters are showing too much rigidity in terms of hiring. Nobody is ready to provide an opportunity. It's very disheartening getting rejected again and again. To get a Data science opportunity, We need a job. But to get a job, they are demanding experience. It's a complete deadlock. How to overcome this? Recruiters should change their approach too. What thoughts you will share to recruiters?

Q&A

- Every company needs experienced people, so how anyone can transit in Data Science domain with different domain experience?
- Job opportunities after COVID-19?
- Is Devops/Big Data needed for Data Scientist? If yes then which technologies?

BRAILLE TO SPEECH USING CNN BY BHAVESH



Thank You!



Bhavesh Bhatt

[@_bhaveshbhatt](#)

