

# free data science bootcamp

**free data science bootcamp** programs have become increasingly popular for individuals seeking to break into the data science field without the burden of high tuition fees. These bootcamps offer intensive, hands-on training designed to equip participants with essential skills such as programming, data analysis, machine learning, and data visualization in a condensed timeframe. A free data science bootcamp can provide a valuable opportunity for career changers, students, and professionals aiming to enhance their data proficiency and employability. This article explores the benefits of attending a free data science bootcamp, outlines the typical curriculum, highlights top providers, and offers guidance on how to choose the right program to maximize learning outcomes. Additionally, it discusses the career prospects and certifications that can follow such training. The following sections will provide a comprehensive overview of these topics to assist prospective learners in making informed decisions.

- Benefits of a Free Data Science Bootcamp
- Curriculum and Skills Covered
- Top Providers of Free Data Science Bootcamps
- How to Choose the Right Free Data Science Bootcamp
- Career Opportunities After Completing a Bootcamp
- Certifications and Further Learning

## Benefits of a Free Data Science Bootcamp

Enrolling in a free data science bootcamp offers several advantages for learners looking to enter or advance in the data science industry. These programs eliminate financial barriers, making quality education accessible to a broader audience. Participants can acquire practical skills through real-world projects, which enhances their portfolios and job readiness. Additionally, free bootcamps often provide flexible schedules, allowing learners to balance studies with other commitments. Many bootcamps also foster community support and networking opportunities, connecting students with instructors, mentors, and peers who share similar professional interests.

## **Cost-Effective Learning**

The primary benefit of a free data science bootcamp is the absence of tuition fees, which significantly reduces the financial risk associated with upskilling. This accessibility is crucial for individuals who cannot afford traditional degree programs or costly courses but still want to develop competitive skills in data science and analytics.

## **Practical, Hands-On Experience**

Free data science bootcamps emphasize applied learning through coding exercises, data manipulation tasks, and machine learning projects. This experiential approach ensures that participants not only understand theoretical concepts but can also implement solutions using popular tools such as Python, R, SQL, and various data visualization libraries.

## **Networking and Career Support**

Many bootcamps offer mentorship, career coaching, and connections to industry professionals, which are invaluable for job placement. These networks can help graduates gain insights into the data science job market and secure interviews or internships.

## **Curriculum and Skills Covered**

A comprehensive free data science bootcamp curriculum typically covers a range of foundational and advanced topics designed to prepare learners for real-world data challenges. The curriculum is structured to build knowledge progressively, starting with basic programming and data manipulation and advancing to statistical analysis and machine learning techniques.

## **Core Programming Languages**

Python and R are the most commonly taught programming languages in data science bootcamps. Both languages are essential for data cleaning, analysis, and modeling. Courses often include instruction in libraries such as Pandas, NumPy, Scikit-learn, and ggplot2, which are widely used for data manipulation and visualization.

## **Data Analysis and Visualization**

Bootcamps teach methods for extracting insights from datasets through exploratory data analysis (EDA). Participants learn to create charts, graphs, and dashboards using tools like Matplotlib, Seaborn, and Tableau, enabling

effective communication of data-driven insights.

## Machine Learning and Predictive Modeling

Intermediate and advanced modules focus on supervised and unsupervised learning algorithms, including regression, classification, clustering, and neural networks. Students apply these techniques to build predictive models that solve practical problems.

## Other Essential Skills

Additional topics covered may include SQL for database querying, version control with Git, cloud computing basics, and data engineering principles. These skills round out the learner's capabilities to handle end-to-end data science workflows.

## Top Providers of Free Data Science Bootcamps

Several reputable organizations and platforms offer free data science bootcamps or courses that provide comprehensive training without cost. These programs vary in format, duration, and depth, catering to different learning styles and schedules.

## Notable Free Bootcamp Platforms

- **DataCamp** – Offers interactive coding challenges and projects with a free tier covering fundamental data science skills.
- **Kaggle Learn** – Provides micro-courses on machine learning, Python, and data visualization with practical datasets.
- **freeCodeCamp** – Includes a data analysis certification path with hands-on coding exercises and projects.
- **IBM Skills Network** – Features free professional certificates and bootcamps focusing on data science and AI fundamentals.
- **Coursera and edX** – Host free audit options for data science courses from universities, some structured as bootcamps.

## **Community and Nonprofit Initiatives**

In addition to online platforms, nonprofit organizations sometimes run free in-person or virtual bootcamps aimed at increasing diversity and inclusion in tech. These programs often include mentorship and career services tailored to underserved populations.

## **How to Choose the Right Free Data Science Bootcamp**

Selecting the most suitable free data science bootcamp depends on several factors including prior experience, learning goals, time availability, and preferred learning style. Careful consideration can maximize the benefits of the program and help achieve career objectives.

### **Assessing Curriculum Content**

Review the topics covered to ensure they align with your desired skill set. A comprehensive curriculum that balances theory, practical exercises, and project work is ideal for holistic learning.

### **Evaluating Instructor Expertise and Support**

Experienced instructors and access to mentors enhance the learning experience. Programs that offer live sessions, Q&A forums, or personal feedback are valuable for clarifying doubts and guidance.

### **Considering Flexibility and Time Commitment**

Determine whether the bootcamp's schedule fits your availability. Some programs offer self-paced learning, while others follow a fixed timeline requiring strict adherence to deadlines.

### **Checking Alumni Outcomes and Reviews**

Research testimonials and job placement rates of past participants to gauge the program's effectiveness in preparing learners for data science careers.

## **Career Opportunities After Completing a**

# Bootcamp

Graduates of free data science bootcamps are equipped to pursue various roles within the data ecosystem. The skills acquired open doors to entry-level positions and internships that serve as stepping stones into the industry.

## Common Job Roles

- **Data Analyst:** Focuses on interpreting data to help organizations make informed decisions.
- **Junior Data Scientist:** Assists in developing machine learning models and performing statistical analysis.
- **Business Intelligence Analyst:** Designs and manages data reporting tools to support business strategy.
- **Data Engineer (Entry-Level):** Works on data pipelines and infrastructure to ensure data availability and quality.

## Building a Portfolio

Completing projects during the bootcamp allows learners to compile a portfolio showcasing their skills to prospective employers. A strong portfolio highlighting problem-solving and technical proficiency enhances employability.

## Certifications and Further Learning

While free data science bootcamps provide foundational knowledge, obtaining certifications can further validate expertise and improve career prospects. Many bootcamps offer certificates upon completion, which can be supplemented with industry-recognized credentials.

## Popular Data Science Certifications

- Certified Data Scientist (CDS) by the Data Science Council of America (DASCA)
- Microsoft Certified: Azure Data Scientist Associate
- Google Professional Data Engineer

- IBM Data Science Professional Certificate

## **Continuing Education**

Graduates are encouraged to pursue advanced courses in specialized areas such as deep learning, natural language processing, and big data technologies. Continuous upskilling ensures relevance in the rapidly evolving data science field.

## **Frequently Asked Questions**

### **What is a free data science bootcamp?**

A free data science bootcamp is an intensive training program that teaches data science skills without any cost, typically covering topics like programming, statistics, machine learning, and data visualization.

### **Are free data science bootcamps effective for beginners?**

Yes, many free data science bootcamps are designed for beginners and provide foundational knowledge and hands-on projects to help learners gain practical skills.

### **Where can I find reputable free data science bootcamps?**

Reputable free data science bootcamps can be found on platforms like Coursera, edX, DataCamp, and websites of organizations such as freeCodeCamp or universities offering open courses.

### **How long do free data science bootcamps usually last?**

The duration of free data science bootcamps varies widely, ranging from a few weeks to several months, depending on the curriculum and pace of the program.

### **Do free data science bootcamps provide certificates?**

Some free data science bootcamps offer certificates of completion at no cost, while others may require payment for official certification.

## **Can I get a job after completing a free data science bootcamp?**

While completing a free data science bootcamp can build your skills and portfolio, securing a job also depends on your experience, projects, networking, and sometimes additional qualifications.

## **What topics are typically covered in a free data science bootcamp?**

Typical topics include Python or R programming, data analysis, statistics, machine learning, data visualization, SQL, and sometimes cloud computing or big data tools.

## **Are free data science bootcamps self-paced or instructor-led?**

Many free data science bootcamps are self-paced, allowing learners to study at their own speed, though some may offer instructor-led sessions or community support.

## **How can I prepare before starting a free data science bootcamp?**

To prepare, it's helpful to have basic knowledge of programming (especially Python), mathematics, and statistics, as well as a computer with reliable internet access.

## **Additional Resources**

### *1. Data Science from Scratch: A Free Bootcamp Approach*

This book introduces the fundamental concepts of data science using Python programming. It is designed as a self-paced bootcamp, allowing readers to build a solid foundation by working through practical examples and exercises. Readers will learn about data manipulation, visualization, statistics, and machine learning basics. Perfect for beginners seeking a hands-on introduction without cost barriers.

### *2. Hands-On Data Science Bootcamp: A Step-by-Step Guide*

Focusing on practical applications, this book guides readers through a complete data science bootcamp curriculum. It covers essential topics such as data cleaning, exploratory data analysis, and predictive modeling. Each chapter includes projects and quizzes to reinforce learning. Ideal for those who prefer learning by doing in a structured format.

### *3. Free Data Science Bootcamp Workbook*

This workbook provides a collection of exercises, case studies, and projects

that mirror a free online data science bootcamp. It emphasizes real-world datasets and challenges to develop problem-solving skills. Readers will gain experience in Python, SQL, and data visualization tools. It's a great resource for self-learners wanting an interactive study aid.

#### *4. Introduction to Data Science: A Bootcamp for Beginners*

Designed for absolute beginners, this book breaks down complex data science topics into easy-to-understand lessons. It introduces programming basics, data handling, and introductory machine learning concepts. The bootcamp-style layout encourages consistent progress with checkpoints and review sections. Suitable for readers with no prior coding experience.

#### *5. Data Science Bootcamp Essentials: From Zero to Hero*

This comprehensive guide covers everything needed to start a career in data science through a bootcamp-style curriculum. Topics include Python programming, statistics, data wrangling, and model evaluation. The book also offers tips on job preparation and portfolio building. It's an excellent resource for those looking to transition into data science quickly.

#### *6. Python for Data Science Bootcamp: Free Resources and Tutorials*

Focused on Python as the primary tool, this book compiles free tutorials and resources that simulate a bootcamp experience. Readers will learn about libraries like Pandas, NumPy, Matplotlib, and Scikit-learn through practical examples. The book encourages hands-on coding to build confidence and proficiency. Ideal for self-taught programmers aiming to specialize in data science.

#### *7. Data Science Bootcamp: A Free Guide to Building Skills Fast*

This guide emphasizes rapid skill acquisition through condensed lessons and intensive practice. It covers data preprocessing, feature engineering, and introductory machine learning algorithms. The book also suggests free online platforms and datasets to complement the learning process. Perfect for motivated learners who want to gain data science skills quickly without financial investment.

#### *8. Machine Learning and Data Science Bootcamp: Open Source Edition*

Focusing on open-source tools and frameworks, this book teaches machine learning fundamentals within a bootcamp structure. Readers will explore algorithms, model tuning, and deployment using Python and R. The book highlights community-driven resources and free datasets for practice. Suitable for learners interested in leveraging open-source ecosystems.

#### *9. Data Science Career Bootcamp: Free Pathways and Learning Plans*

This book combines technical instruction with career guidance tailored for bootcamp learners. It outlines free learning pathways, including MOOCs, coding challenges, and project ideas. Additionally, it offers advice on resume building, networking, and interview preparation for data science roles. A valuable resource for those aiming to enter the field through cost-effective education.



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**free data science bootcamp: *Build a Career in Data Science*** Emily Robinson, Jacqueline Nolis, 2020-03-24 Summary You are going to need more than technical knowledge to succeed as a data scientist. *Build a Career in Data Science* teaches you what school leaves out, from how to land your first job to the lifecycle of a data science project, and even how to become a manager. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology What are the keys to a data scientist's long-term success? Blending your technical know-how with the right "soft skills" turns out to be a central ingredient of a rewarding career. About the book *Build a Career in Data Science* is your guide to landing your first data science job and developing into a valued senior employee. By following clear and simple instructions, you'll learn to craft an amazing resume and ace your interviews. In this demanding, rapidly changing field, it can be challenging to keep projects on track, adapt to company needs, and manage tricky stakeholders. You'll love the insights on how to handle expectations, deal with failures, and plan your career path in the stories from seasoned data scientists included in the book. What's inside Creating a portfolio of data science projects Assessing and negotiating an offer Leaving gracefully and moving up the ladder Interviews with professional data scientists About the reader For readers who want to begin or advance a data science career. About the author Emily Robinson is a data scientist at Warby Parker. Jacqueline Nolis is a data science consultant and mentor. Table of Contents: PART 1 - GETTING STARTED WITH DATA SCIENCE 1. What is data science? 2. Data science companies 3. Getting the skills 4. Building a portfolio PART 2 - FINDING YOUR DATA SCIENCE JOB 5. The search: Identifying the right job for you 6. The application: Résumés and cover letters 7. The interview: What to expect and how to handle it 8. The offer: Knowing what to accept PART 3 - SETTLING INTO DATA SCIENCE 9. The first months on the job 10. Making an effective analysis 11. Deploying a model into production 12. Working with stakeholders PART 4 - GROWING IN YOUR DATA SCIENCE ROLE 13. When your data science project fails 14. Joining the data science community 15. Leaving your job gracefully 16. Moving up the ladder

**free data science bootcamp: *Data Strategy*** Bernard Marr, 2021-10-03 BRONZE RUNNER UP: Axiom Awards 2018 - Business Technology Category (1st edition) Data is an integral strategic asset for all businesses. Learn how to leverage this data and generate valuable insights and true business value with bestselling author and data guru Bernard Marr. Data has massive potential for all businesses when used correctly, from small organizations to tech giants and huge multinationals, but this resource is too often not fully utilized. *Data Strategy* is the must-read guide on how to create a robust, data-driven approach that will harness the power of data to revolutionize your business. Explaining how to collect, use and manage data, this book prepares any organization with the tools and strategies needed to thrive in the digital economy. Now in its second edition, this bestselling title is fully updated with insights on understanding your customers and markets and how to provide them with intelligent services and products. With case studies and real-world examples throughout, Bernard Marr offers unrivalled expertise on how to gain the competitive advantage in a data-driven world.

**free data science bootcamp: *Data Science Job: How to become a Data Scientist*** Przemek Chojecki, 2020-01-31 We're living in a digital world. Most of our global economy is digital and the sheer volume of data is stupendous. It's 2020 and we're living in the future. Data Scientist is one of the hottest job on the market right now. Demand for data science is huge and will only grow, and it

seems like it will grow much faster than the actual number of data scientists. So if you want to make a career change and become a data scientist, now is the time. This book will guide you through the process. From my experience of working with multiple companies as a project manager, a data science consultant or a CTO, I was able to see the process of hiring data scientists and building data science teams. I know what's important to land your first job as a data scientist, what skills you should acquire, what you should show during a job interview.

**free data science bootcamp: Big Data Bootcamp** David Feinleib, 2014-09-26 Investors and technology gurus have called big data one of the most important trends to come along in decades. Big Data Bootcamp explains what big data is and how you can use it in your company to become one of tomorrow's market leaders. Along the way, it explains the very latest technologies, companies, and advancements. Big data holds the keys to delivering better customer service, offering more attractive products, and unlocking innovation. That's why, to remain competitive, every organization should become a big data company. It's also why every manager and technology professional should become knowledgeable about big data and how it is transforming not just their own industries but the global economy. And that knowledge is just what this book delivers. It explains components of big data like Hadoop and NoSQL databases; how big data is compiled, queried, and analyzed; how to create a big data application; and the business sectors ripe for big data-inspired products and services like retail, healthcare, finance, and education. Best of all, your guide is David Feinleib, renowned entrepreneur, venture capitalist, and author of *Why Startups Fail*. Feinleib's Big Data Landscape, a market map featured and explained in the book, is an industry benchmark that has been viewed more than 150,000 times and is used as a reference by VMWare, Dell, Intel, the U.S. Government Accountability Office, and many other organizations. Feinleib also explains:

- Why every businessperson needs to understand the fundamentals of big data or get run over by those who do
- How big data differs from traditional database management systems
- How to create and run a big data project
- The technical details powering the big data revolution

Whether you're a Fortune 500 executive or the proprietor of a restaurant or web design studio, Big Data Bootcamp will explain how you can take full advantage of new technologies to transform your company and your career.

**free data science bootcamp: Data Science For Dummies** Lillian Pierson, 2021-09-15 Monetize your company's data and data science expertise without spending a fortune on hiring independent strategy consultants to help. What if there was one simple, clear process for ensuring that all your company's data science projects achieve a high return on investment? What if you could validate your ideas for future data science projects, and select the one idea that's most prime for achieving profitability while also moving your company closer to its business vision? There is. Industry-acclaimed data science consultant, Lillian Pierson, shares her proprietary STAR Framework - A simple, proven process for leading profit-forming data science projects. Not sure what data science is yet? Don't worry! Parts 1 and 2 of *Data Science For Dummies* will get all the bases covered for you. And if you're already a data science expert? Then you really won't want to miss the data science strategy and data monetization gems that are shared in Part 3 onward throughout this book. *Data Science For Dummies* demonstrates: The only process you'll ever need to lead profitable data science projects Secret, reverse-engineered data monetization tactics that no one's talking about The shocking truth about how simple natural language processing can be How to beat the crowd of data professionals by cultivating your own unique blend of data science expertise Whether you're new to the data science field or already a decade in, you're sure to learn something new and incredibly valuable from *Data Science For Dummies*. Discover how to generate massive business wins from your company's data by picking up your copy today.

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**free data science bootcamp:** *Data Science Careers, Training, and Hiring* Renata Rawlings-Goss, 2019-08-02 This book is an information packed overview of how to structure a data science career, a data science degree program, and how to hire a data science team, including resources and insights from the authors experience with national and international large-scale data projects as well as industry, academic and government partnerships, education, and workforce. Outlined here are tips and insights into navigating the data ecosystem as it currently stands, including career skills, current training programs, as well as practical hiring help and resources. Also, threaded through the book is the outline of a data ecosystem, as it could ultimately emerge, and how career seekers, training programs, and hiring managers can steer their careers, degree programs, and organizations to align with the broader future of data science. Instead of riding the current wave, the author ultimately seeks to help professionals, programs, and organizations alike prepare a sustainable plan for growth in this ever-changing world of data. The book is divided into three sections, the first "Building Data Careers", is from the perspective of a potential career seeker interested in a career in data, the second "Building Data Programs" is from the perspective of a newly forming data science degree or training program, and the third "Building Data Talent and Workforce" is from the perspective of a Data and Analytics Hiring Manager. Each is a detailed introduction to the topic with practical steps and professional recommendations. The reason for presenting the book from different points of view is that, in the fast-paced data landscape, it is helpful to each group to more thoroughly understand the desires and challenges of the other. It will, for example, help the career seekers to understand best practices for hiring managers to better position themselves for jobs. It will be invaluable for data training programs to gain the perspective of career seekers, who they want to help and attract as students. Also, hiring managers will not only need data talent to hire, but workforce pipelines that can only come from partnerships with universities, data training programs, and educational experts. The interplay gives a broader perspective from which to build.

**free data science bootcamp:** *Alternative and independent* Caren Arbeit, Alexander Bentz, Emily Forrest Cataldi, Herschel Sanders., 2019-02-19 In recent years, nontraditional workforce training programs have proliferated inside and outside of traditional postsecondary institutions. A subset of these programs, bootcamps, advertise high job placement rates and have been hailed by policymakers as key to training skilled workers. However, few formal data exist on the number, types, prices, location, or other descriptive details of program offerings. We fill this void by studying the universe of bootcamp programs offered as of June 30, 2017. In this report, we discuss the attributes of the 1,010 technology-related programs offered in the United States, Canada, and online. We find more diversity among bootcamp providers and programs than would be expected from public discourse. This primarily relates to the mode of delivery (online vs. in person), intensity (part time/full time), cost, and program types. Based on the data we collected, we present a classification structure for bootcamps focused on five distinct program types.

**free data science bootcamp:** **TRADING WITH AI: A PRACTICAL GUIDE FOR NEWBIES** SHIKHAR SINGH (THE ZENITH), □ Book Description - Trading with AI: A Practical Guide for Newbies □ Beginner-Friendly Introduction to AI in Trading - Understand how Artificial Intelligence is transforming the world of financial trading, explained in simple terms. □ Master the Basics of Trading - Learn essential trading concepts like market types, strategies, risk management, and technical indicators. □ AI Tools & Technologies Demystified - Get familiar with popular AI tools, algorithms, and platforms used by modern traders. □ Step-by-Step Setup Guides - Practical tutorials

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**free data science bootcamp: Quality Experience Telemetry** Alka Jarvis, Luis Morales, Johnson Jose, 2018-04-03 This is an important and timely book. Students of organizational behavior for the last 15 years have been asking how to integrate the technology of data gathering and data analysis with critical organizational challenges. This book shows how to do that, using the field of customer service to illustrate the broader point. This volume allows lay readers to understand telemetry and helps them enhance their data-gathering activities to strengthen customer relations. Author of *The Agenda Mover: When Your Good Idea Is Not Enough* and *Transforming the Clunky Organization: Pragmatic Skills for Breaking Inertia* (Cornell University Press) Telemetry is an automated way of collecting data at remote sites or locations, and transmitting it to collectors at receiving site for monitoring, analyzing, and driving improvement actions. This book provides the necessary knowledge and information to understand the telemetry infrastructure and associated details. It will enable readers to implement a telemetry program to address customer experience pain and improve customer experience. The authors of this book have all served in different roles and capacities in one of Silicon Valley's premier technology companies. These roles include software engineering, customer assurance, quality management, technology development, and implementation. Their paths intersected in the area of quality management, and they have witnessed first-hand how the latest technology/market transitions around Internet of Things (IoT), digitization, and telemetry are impacting the company they work, as well as the high-tech industry and global economy as a whole. The real-time nature of data and the advent of machine-learning algorithms have set the stage for a new era that the authors call adaptive customer experience. The premise of this concept is that real-time availability of customer experience data opens the door for real-time responses based on machine-learning algorithms. This creates an unprecedented opportunity to change the relationship between customers and the systems they depend on in their digital world. The proliferation of sensors and improvements in data science capabilities are creating an environment where the possibilities for telemetry are limitless. The book provides several examples of use cases and applications that help bring telemetry to life.

**free data science bootcamp: Pan-African Futurism** Reginold A. Royston, 2025-10-21 Ghana has been a crucial site of encounters between the West and Africa and a historic center for twentieth-century Pan-African independence movements. Today, it has also emerged as an important node of technology-driven development in the Global South. Ghana's activist software developers and digital diaspora are redefining the role of technology, not simply as a means for economic growth, but as a tool for greater African political autonomy. In this rich ethnography, Reginold A. Royston uses the term Pan-African futurism to describe the redemptive ethos among technologists working on development projects on the ground in Africa today. Royston charts the explosion of mobile Internet access on the African continent, growing interest in African tech entrepreneurship, and the flowering of digital transnational ties. Ghana's Pan-African futurists advocate entrepreneurship and civil society activism as a means of hacking the kinds of socioeconomic development that have long been advocated by NGOs. Using participant observation and interviews with tech developers on the ground and media producers in the diaspora, including in virtual spaces and with communities online, Royston provides a nuanced portrait of tech users focused on social good emanating from the Global South, expanding the discourse for contemporary Pan-African politics.

**free data science bootcamp: Web Business Bootcamp** Richard Seltzer, 2018-03-01 First published in 2002. The specific examples are dated, because business on the Internet changes rapidly. But the underlying principles and lessons hold true. You're in basic training for the battle of your life. Your mission is to keep your company alive and to help it move forward quickly in

unfamiliar territory. You must master the tools and techniques needed to serve customers and beat the competition into the strange and potentially hostile online business environment. This no-nonsense, tip-driven guide targets key activities that anyone can perform to truly achieve online business success. Internet marketing pioneer Richard Seltzer gets managers out of the boardroom and into the trenches for crucial hands-on Web experience -- which provides insight into how to win on the e-commerce battlefield. He also helps entrepreneurs develop a viable business model without depending on high-priced design services and consultants, as well as gives technology-oriented professionals a broad business perspective for tackling new online responsibilities.

**free data science bootcamp: Beginners' Artificial Intelligence and Python Programming**  
Olubayo Adekanmbi, 2020-11-20 The book demystifies the concept of Artificial Intelligence (AI) in a friendly manner to kids, with the goal of stimulating their curiosity and driving their interest in learning about AI. After the generic introductions to the core concepts like machine learning, deep learning and reinforcement learning, the students are guided into step-by-step programming with Python. The intention is to transit beyond the traditional code-first approach to understanding broad concepts that will sufficiently motivate a desire to learn coding. The book is useful for students in Grades 4-8 and any adult who wants to learn the fundamental principles in a fun-filled and exciting way.

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