

# Ai Crash Course A Fun And Hands On Introduction T

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 AI Crash Course  
 AP® Psychology Crash Course, For the New 2020 Exam, Book + Online  
 Artificial Intelligence By Example  
 Beyond the Basic Stuff with Python  
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 Python Crash Course for Data Analysis: A Complete Beginner Guide for Python Coding, NumPy, Pandas and Data Visualization  
 The Crash Course  
 Deep Learning Crash Course for Beginners with Python  
 You Look Like a Thing and I Love You  
 JavaScript from Beginner to Professional  
 The Book of R  
 Human-in-the-Loop Machine Learning  
 The Alignment Problem: Machine Learning and Human Values  
 Unity Artificial Intelligence Programming  
 Machine Learning for Kids

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## AVILA ROBERSON

### Artificial Intelligence Basics No Starch Press

For the New 2020 Exam! AP® Psychology Crash Course® A Higher Score in Less Time! At REA, we invented the quick-review study guide for AP® exams. A decade later, REA's Crash Course® remains the top choice for AP® students who want to make the most of their study time and earn a high score. Here's why more AP® teachers and students turn to REA's AP® Psychology Crash Course®: Targeted Review - Study Only What You Need to Know. REA's all-new 3rd edition addresses all the latest test revisions taking effect through 2020. Our Crash Course® is based on an in-depth analysis of the revised AP® Psychology course description outline and sample AP® test questions. We cover only the information tested on the exam, so you can make the most of your valuable study time. Expert Test-taking Strategies and Advice. Written by a veteran AP® Psychology teacher, the book gives you the topics and critical context that will matter most on exam day. Crash Course® relies on the author's extensive analysis of the test's structure and content. By following his advice, you can boost your score. Practice questions - a mini-test in the book, a full-length exam online. Are you ready for your exam? Try our focused practice set inside the book. Then go online to take our full-length practice exam. You'll get the benefits of timed testing, detailed answers, and automatic scoring that pinpoints your performance based on the official AP® exam topics - so you'll be confident on test day. When it's crucial crunch time and your Advanced Placement® exam is just around the corner, you need REA's Crash Course for AP® Psychology! About the Author Larry Krieger earned a B.A. in Psychology from the University of North Carolina at Chapel Hill and an M.S. from Wake Forest University. In a career spanning more than 40 years, Mr. Krieger has taught a variety of AP® subjects. His popular courses were renowned for their energetic presentations, commitment to scholarship, and helping students achieve high AP® exam scores. All of Mr. Krieger's students scored above a 3 on their AP® exams, with most students scoring a 4 or a 5. In 2004 and 2005, the College Board® recognized Mr. Krieger as one of the nation's foremost AP® teachers. Mr. Krieger's success has extended far beyond the classroom. He has written several history textbooks and is a co-author of REA's Art History AP® test preparation guide. His latest venture, the AP® Crash Course® series, helps students strategically and effectively prepare for their AP® exams.

### AI and Machine Learning for Coders No Starch Press

The best-selling Python book in the world, with over 1 million copies sold! A fast-paced, no-nonsense, updated guide to programming in Python. If you've been thinking about learning how to code or picking up Python, this internationally bestselling guide to the most popular programming language is your quickest, easiest way to get started and go! Even if you have no experience whatsoever, Python Crash Course, 2nd Edition, will have you writing programs, solving problems, building computer games, and creating data visualizations in no time. You'll begin with basic concepts like variables, lists, classes, and loops—with the help of fun skill-strengthening exercises for every topic—then move on to making interactive programs and best practices for testing your code. Later chapters put your new knowledge into play with three cool projects: a 2D Space Invaders-style arcade game, a set of responsive data visualizations you'll build with Python's handy libraries (Pygame, Matplotlib, Plotly, Django), and a customized web app you can deploy online. Why wait any longer? Start your engine and code!

### Crash Course O'Reilly Media

BRIDGE THE GAP BETWEEN NOVICE AND PROFESSIONAL You've completed a basic Python programming tutorial or finished AI Sweigart's bestseller, Automate the Boring Stuff with Python. What's the next step toward becoming a capable, confident software developer? Welcome to Beyond the Basic Stuff with Python. More than a mere collection of advanced syntax and masterful

tips for writing clean code, you'll learn how to advance your Python programming skills by using the command line and other professional tools like code formatters, type checkers, linters, and version control. Sweigart takes you through best practices for setting up your development environment, naming variables, and improving readability, then tackles documentation, organization and performance measurement, as well as object-oriented design and the Big-O algorithm analysis commonly used in coding interviews. The skills you learn will boost your ability to program—not just in Python but in any language. You'll learn: Coding style, and how to use Python's Black auto-formatting tool for cleaner code Common sources of bugs, and how to detect them with static analyzers How to structure the files in your code projects with the Cookiecutter template tool Functional programming techniques like lambda and higher-order functions How to profile the speed of your code with Python's built-in timeit and cProfile modules The computer science behind Big-O algorithm analysis How to make your comments and docstrings informative, and how often to write them How to create classes in object-oriented programming, and why they're used to organize code Toward the end of the book you'll read a detailed source-code breakdown of two classic command-line games, the Tower of Hanoi (a logic puzzle) and Four-in-a-Row (a two-player tile-dropping game), and a breakdown of how their code follows the book's best practices. You'll test your skills by implementing the program yourself. Of course, no single book can make you a professional software developer. But Beyond the Basic Stuff with Python will get you further down that path and make you a better programmer, as you learn to write readable code that's easy to debug and perfectly Pythonic Requirements: Covers Python 3.6 and higher

### Python Machine Learning Projects Harper Collins

Artificial intelligence is the rage today! While you may find it difficult to understand the most recent advancements in AI, it simply boils down to two most celebrated developments: Machine Learning and Deep Learning. In 2020, Deep Learning is leagues ahead because of its supremacy when it comes to accuracy, especially when trained with enormous amounts of data. Deep Learning, essentially, is a subset of Machine Learning, but it's capable of achieving tremendous power and flexibility. And the era of big data technology presents vast opportunities for incredible innovations in deep learning. How Is This Book Different? This book gives equal importance to the theoretical as well as practical aspects of deep learning. You will understand how high-performing deep learning algorithms work. In every chapter, the theoretical explanation of the different types of deep learning techniques is followed by practical examples. You will learn how to implement different deep learning techniques using the TensorFlow Keras library for Python. Each chapter contains exercises that you can use to assess your understanding of the concepts explained in that chapter. Also, in the Resources, the Python notebook for each chapter is provided. The key advantage of buying this book is you get instant access to all the extra content presented with this book—Python codes, references, exercises, and PDFs—on the publisher's website. You don't need to spend an extra cent. The datasets used in this book are either downloaded at runtime or are available in the Resources/Datasets folder. Another advantage is a detailed explanation of the installation steps for the software that you will need to implement the various deep learning algorithms in this book is provided. That is, you get to experiment with the practical aspects of Deep Learning right from page 1. Even if you are new to Python, you will find the crash course on Python programming language in the first chapter immensely useful. Since all the codes and datasets are included with this book, you only need access to a computer with the internet to get started. The topics covered include: Python Crash Course Deep Learning Prerequisites: Linear and Logistic Regression Neural Networks from Scratch in Python Introduction to TensorFlow and Keras Convolutional Neural Networks Sequence Classification with Recurrent Neural Networks Deep Learning for Natural Language Processing Unsupervised Learning with Autoencoders Answers to All Exercises Click the BUY button and download the book now to start your Deep Learning journey.



*Architecture Patterns with Python* Packt Publishing Ltd

As heard on NPR's "Science Friday," discover the book recommended by Malcolm Gladwell, Susan Cain, Daniel Pink, and Adam Grant: an "accessible, informative, and hilarious" introduction to the weird and wonderful world of artificial intelligence (Ryan North). "You look like a thing and I love you" is one of the best pickup lines ever . . . according to an artificial intelligence trained by scientist Janelle Shane, creator of the popular blog AI Weirdness. She creates silly AIs that learn how to name paint colors, create the best recipes, and even flirt (badly) with humans—all to understand the technology that governs so much of our daily lives. We rely on AI every day for recommendations, for translations, and to put cat ears on our selfie videos. We also trust AI with matters of life and death, on the road and in our hospitals. But how smart is AI really... and how does it solve problems, understand humans, and even drive self-driving cars? Shane delivers the answers to every AI question you've ever asked, and some you definitely haven't. Like, how can a computer design the perfect sandwich? What does robot-generated Harry Potter fan-fiction look like? And is the world's best Halloween costume really "Vampire Hog Bride"? In this smart, often hilarious introduction to the most interesting science of our time, Shane shows how these programs learn, fail, and adapt—and how they reflect the best and worst of humanity. You Look Like a Thing and I Love You is the perfect book for anyone curious about what the robots in our lives are thinking. "I can't think of a better way to learn about artificial intelligence, and I've never had so much fun along the way." —Adam Grant, New York Times bestselling author of *Originals*

**Programming Collective Intelligence** W. W. Norton & Company

Want to tap the power behind search rankings, product recommendations, social bookmarking, and online matchmaking? This fascinating book demonstrates how you can build Web 2.0 applications to mine the enormous amount of data created by people on the Internet. With the sophisticated algorithms in this book, you can write smart programs to access interesting datasets from other web sites, collect data from users of your own applications, and analyze and understand the data once you've found it. Programming Collective Intelligence takes you into the world of machine learning and statistics, and explains how to draw conclusions about user experience, marketing, personal tastes, and human behavior in general -- all from information that you and others collect every day. Each algorithm is described clearly and concisely with code that can immediately be used on your web site, blog, Wiki, or specialized application. This book explains: Collaborative filtering techniques that enable online retailers to recommend products or media Methods of clustering to detect groups of similar items in a large dataset Search engine features -- crawlers, indexers, query engines, and the PageRank algorithm Optimization algorithms that search millions of possible solutions to a problem and choose the best one Bayesian filtering, used in spam filters for classifying documents based on word types and other features Using decision trees not only to make predictions, but to model the way decisions are made Predicting numerical values rather than classifications to build price models Support vector machines to match people in online dating sites Non-negative matrix factorization to find the independent features in a dataset Evolving intelligence for problem solving - how a computer develops its skill by improving its own code the more it plays a game Each chapter includes exercises for extending the algorithms to make them more powerful. Go beyond simple database-backed applications and put the wealth of Internet data to work for you. "Bravo! I cannot think of a better way for a developer to first learn these algorithms and methods, nor can I think of a better way for me (an old AI dog) to reinvigorate my knowledge of the details." -- Dan Russell, Google "Toby's book does a great job of breaking down the complex subject matter of machine-learning algorithms into practical, easy-to-understand examples that can be directly applied to analysis of social interaction across the Web today. If I had this book two years ago, it would have saved precious time going down some fruitless paths." -- Tim Wolters, CTO, Collective Intellect

*JavaScript Crash Course* No Starch Press

Start your journey towards becoming a JavaScript developer with the help of more than 100 fun exercises and projects. Purchase of the print or Kindle book includes a free eBook in the PDF format. Key Features Write eloquent JavaScript and employ fundamental and advanced features to create your own web apps Interact with the browser with HTML and JavaScript, and add dynamic images, shapes, and text with HTML5 Canvas Build a password checker, paint web app, hangman game, and many more fun projects Book Description This book demonstrates the capabilities of JavaScript for web application development by combining theoretical learning with code exercises and fun projects that you can challenge yourself with. The guiding principle of the book is to show how straightforward JavaScript techniques can be used to make web apps ranging from dynamic websites to simple browser-based games. JavaScript from Beginner to Professional focuses on key programming concepts and Document Object Model manipulations that are used to solve common problems in professional web applications. These include data validation, manipulating the appearance of web pages, working with asynchronous and concurrent code. The book uses project-based learning to provide context for the theoretical components in a series of code examples that can be used as modules of an application, such as input validators, games, and simple animations. This will be supplemented with a brief crash course on HTML and CSS to illustrate how JavaScript components fit into a complete web application. As you learn the concepts, you can try them in your own editor or browser console to get a solid understanding of how they work and what they do. By the end of this JavaScript book, you will feel confident writing core JavaScript code and be equipped to progress to more advanced libraries, frameworks, and environments such as React, Angular, and Node.js. What you will learn Use logic statements to make decisions within your code Save time with JavaScript loops by avoiding writing the same code repeatedly Use JavaScript functions and methods to selectively execute code Connect to HTML5 elements and bring your own web pages to life with interactive content Make your search patterns more effective with regular expressions Explore concurrency and asynchronous programming to process events efficiently and improve performance Get a head start on your next steps with primers on key libraries, frameworks, and APIs Who this book is for This book is for people who are new to JavaScript (JS) or those looking to build up their skills in web development. Basic familiarity with HTML & CSS would be beneficial. Whether you are a junior or intermediate developer who needs an easy-to-understand practical guide for JS concepts, a developer who wants to transition into working with JS, or a student studying programming concepts using JS, this book will prove helpful.

**Get Tech Voracious**

Artificial intelligence touches nearly every part of your day. While you may initially assume that technology such as smart speakers and digital assistants are the extent of it, AI has in fact rapidly become a general-purpose technology, reverberating across industries including transportation, healthcare, financial services, and many more. In our modern era, an understanding of AI and its possibilities for your organization is essential for growth and success. Artificial Intelligence Basics has arrived to equip you with a fundamental, timely grasp of AI and its impact. Author Tom Taulli provides an engaging, non-technical introduction to important concepts such as machine learning, deep learning, natural language processing (NLP), robotics, and more. In addition to guiding you through real-world case studies and practical implementation steps, Taulli uses his expertise to expand on the bigger questions that surround AI. These include societal trends, ethics, and future impact AI will have on world governments, company structures, and daily life. Google, Amazon, Facebook, and similar tech giants are far from the only organizations on which artificial intelligence

has had—and will continue to have—an incredibly significant result. AI is the present and the future of your business as well as your home life. Strengthening your prowess on the subject will prove invaluable to your preparation for the future of tech, and Artificial Intelligence Basics is the indispensable guide that you've been seeking. What You Will Learn Study the core principles for AI approaches such as machine learning, deep learning, and NLP (Natural Language Processing) Discover the best practices to successfully implement AI by examining case studies including Uber, Facebook, Waymo, UiPath, and Stitch Fix Understand how AI capabilities for robots can improve business Deploy chatbots and Robotic Processing Automation (RPA) to save costs and improve customer service Avoid costly gotchas Recognize ethical concerns and other risk factors of using artificial intelligence Examine the secular trends and how they may impact your business Who This Book Is For Readers without a technical background, such as managers, looking to understand AI to evaluate solutions.

**C++ Crash Course** Research & Education Assoc.

Best-selling author Al Sweigart shows you how to easily build over 80 fun programs with minimal code and maximum creativity. If you've mastered basic Python syntax and you're ready to start writing programs, you'll find *The Big Book of Small Python Projects* both enlightening and fun. This collection of 81 Python projects will have you making digital art, games, animations, counting programs, and more right away. Once you see how the code works, you'll practice re-creating the programs and experiment by adding your own custom touches. These simple, text-based programs are 256 lines of code or less. And whether it's a vintage screensaver, a snail-racing game, a clickbait headline generator, or animated strands of DNA, each project is designed to be self-contained so you can easily share it online. You'll create: • Hangman, Blackjack, and other games to play against your friends or the computer • Simulations of a forest fire, a million dice rolls, and a Japanese abacus • Animations like a virtual fish tank, a rotating cube, and a bouncing DVD logo screensaver • A first-person 3D maze game • Encryption programs that use ciphers like ROT13 and Vigenère to conceal text If you're tired of standard step-by-step tutorials, you'll love the learn-by-doing approach of *The Big Book of Small Python Projects*. It's proof that good things come in small programs!

*Python Crash Course, 2nd Edition* Packt Publishing Ltd

Imaginative. Innovative. Ingenious. These words describe the visionaries we all respect and admire. And they can describe you, too. Contrary to common belief, creativity is not a gift some of us are born with. It is a skill that all of us can learn. International bestselling author and award-winning Stanford University educator Tina Seelig has worked with some of the business world's best and brightest, who are now among the decision-makers at companies such as Google, Genentech, IBM, and Cisco. In *inGenius* she expertly demystifies creativity, offering a set of tools and guidelines that anyone can use. A fantastic resource for everyone wanting to achieve their ambitions, and for readers of Jason Fried's *Rework*, and Seth Godin's *Poke the Box*.

**Breaking Bots** Packt Publishing Ltd

*Python Crash Course* is a fast-paced, thorough introduction to Python that will have you writing programs, solving problems, and making things that work in no time. In the first half of the book, you'll learn about basic programming concepts, such as lists, dictionaries, classes, and loops, and practice writing clean and readable code with exercises for each topic. You'll also learn how to make your programs interactive and how to test your code safely before adding it to a project. In the second half of the book, you'll put your new knowledge into practice with three substantial projects: a Space Invaders-inspired arcade game, data visualizations with Python's super-handful libraries, and a simple web app you can deploy online. As you work through *Python Crash Course* you'll learn how to: -Use powerful Python libraries and tools, including matplotlib, NumPy, and Pygal -Make 2D games that respond to keypresses and mouse clicks, and that grow more difficult as the game progresses -Work with data to generate interactive visualizations -Create and customize Web apps and deploy them safely online -Deal with mistakes and errors so you can solve your own programming problems If you've been thinking seriously about digging into programming, *Python Crash Course* will get you up to speed and have you writing real programs fast. Why wait any longer? Start your engines and code! Uses Python 2 and 3

*Deep Learning with PyTorch* No Starch Press

Nowhere will you find a more comprehensive, current, and detailed writing skills course designed specifically for writing children and teen books, written by a children's and young adult author who is in the field today. WRITING FOR CHILDREN AND TEENS: A CRASH COURSE is a ten-step course that relays all the nitty-gritty details of the business, beginning with how to evaluate your book idea all the way to pitching your book to editors and agents. Within each step, you'll find clear and specific information covering topics such as the children's book market, manuscript format, commonly made mistakes and editing tips to beef up your writing skills, finding the right literary agent or children's book publisher, and professional submission etiquette. This book will even tell you what kind of paper you should use and exactly how you should write your email or letter pitches to editors and agents. Bonus materials include templates for all of your submission needs as well as examples of real-life editorial letters sent to authors from editors today. You will get a complete inside peak to the children's and YA fiction writing market for those who want to write picture books, easy readers, chapter books, and middle grade or young adult/teen novels.

**AP® World History Crash Course Book + Online** Packt Publishing Ltd

Unity 2018 provides game and app developers with a variety of tools to implement Artificial Intelligence (AI). Leveraging these tools via Unity's API allows limitless possibilities for creating your game's worlds and characters. This edition will break down AI into simple concepts to give you a fundamental understanding of the topic to build upon.

**inGenius** Independently Published

"The inspiring true story of a teacher's experiences with her students and the life lessons she learned that can help others find joy and success. *Crash Course* chronicles the life lessons that Kim Bearden has learned during an award-winning career in education that has spanned three decades. Kim has taught more than 2,000 students, and each has shown her something about the world and the abundant capacity for love, resilience, and appreciation that we all possess. By sharing her students' stories, she teaches their inspiring lessons to us all. Throughout the ups and downs of her professional and personal life, Kim found that her students were the light that illuminated her path; they were her sanctuary in the storm. From her challenges as a first year teacher, to her triumphs as the cofounder of the highly acclaimed Ron Clark Academy, Kim shares how children can teach each of us the importance of building relationships, abandoning fear, embracing one's unique gifts, and living with passion. Full of honesty, humor, heartbreak, and humanity, Kim's experiences show how children can help any one of us, despite life's obstacles, find the joy and significance in both our personal and professional lives!"--

*Writing for Children and Teens* Simon and Schuster

REA's Crash Course for the AP® U.S. Government & Politics Exam - Gets You a Higher Advanced Placement® Score in Less Time Crash Course is perfect for the time-crunched student, the last-minute studier, or anyone who wants a refresher on the subject. Are you crunched for time? Have you started studying for your Advanced Placement® U.S. Government & Politics exam yet? How will you memorize everything you need to know before the test? Do you wish there was a fast and easy way to study for the exam AND boost your score? If this sounds like you, don't panic. REA's Crash

Course for AP® U.S. Government & Politics is just what you need. Our Crash Course gives you: Targeted, Focused Review - Study Only What You Need to Know The Crash Course is based on an in-depth analysis of the AP® U.S. Government & Politics course description outline and actual AP® test questions. It covers only the information tested on the exam, so you can make the most of your valuable study time. Our easy-to-read format gives you a crash course in the major ideas and concepts in government and politics, including constitutional underpinnings of the U.S. government, political culture, federalism, civil rights/civil liberties, elections & campaigns, congress, the presidency & the executive branch, and more. Expert Test-taking Strategies Written by a former AP® teacher, the author's question-level strategy and advice explains how to handle the multiple-choice and free-response questions so you can raise your overall point score! Key Terms You Must Know Mastering AP® vocabulary terms is an easy way to increase your total score. Our AP® expert gives you the key terms all AP® U.S. Government & Politics students must know before test day. Take REA's FREE Practice Exam After studying the material in the Crash Course, go to the online REA Study Center and test what you've learned. Our free practice exam features timed testing, detailed explanations of answers, and automatic scoring analysis. The exam is balanced to include every topic and type of question found on the actual AP® exam, so you know you're studying the smart way. Whether you're cramming for the test at the last minute, looking for extra review, or want to study on your own in preparation for the exams - this is the study guide every AP® U.S. Government & Politics student must have. When it's crucial crunch time and your Advanced Placement® exam is just around the corner, you need REA's Crash Course for AP® U.S. Government & Politics! About the Author Larry Krieger earned his B.A. and M.A.T. from the University of North Carolina at Chapel Hill and his M.A. from Wake Forest University. In a career spanning more than 40 years, Mr. Krieger has taught a variety of AP® subjects including American History, World History, European History, American Government, and Art History. His popular courses were renowned for their energetic presentations, commitment to scholarship, and helping students achieve high AP® exam scores. [Save the Crash-test Dummies](#) Simon and Schuster

As Python continues to grow in popularity, projects are becoming larger and more complex. Many Python developers are now taking an interest in high-level software design patterns such as hexagonal/clean architecture, event-driven architecture, and the strategic patterns prescribed by domain-driven design (DDD). But translating those patterns into Python isn't always straightforward. With this hands-on guide, Harry Percival and Bob Gregory from MADE.com introduce proven architectural design patterns to help Python developers manage application complexity—and get the most value out of their test suites. Each pattern is illustrated with concrete examples in beautiful, idiomatic Python, avoiding some of the verbosity of Java and C# syntax. Patterns include: Dependency inversion and its links to ports and adapters (hexagonal/clean architecture) Domain-driven design's distinction between entities, value objects, and aggregates Repository and Unit of Work patterns for persistent storage Events, commands, and the message bus Command-query responsibility segregation (CQRS) Event-driven architecture and reactive microservices [AP U.S. Government and Politics Crash Course](#) Packt Publishing Ltd

A fast-paced, thorough programming introduction that will have you writing your own software and web applications in no time. Like Python Crash Course, this hands-on guide is a must-have for anyone who wants to learn how to code from the ground up—this time using the popular JavaScript programming language. Learn JavaScript—Fast! JavaScript Crash Course is a fun-filled, fast-paced introduction to programming with JavaScript. Dive right in and you'll be writing code, solving problems, and building working web applications and games in no time. You'll start by learning fundamental programming concepts, such as variables, arrays, objects, functions, conditionals, loops, classes, and more. Aided by engaging examples and hands-on exercises, you'll build on this foundation and combine JavaScript with HTML and CSS to create interactive web applications that you can run right away. Then you'll put your new skills into play with three substantial projects: a Pong-style game with a virtual opponent, an app that generates electronic music, and a platform for visualizing data fetched from an API. Along the way, you'll learn how to: • Update web pages in real time by manipulating the Document Object Model • Trigger functions in response to events like key presses and mouse clicks • Generate graphics and animations with JavaScript and HTML's Canvas

Best Sellers - Books :

- [The Alchemist, 25th Anniversary: A Fable About Following Your Dream By Paulo Coelho](#)
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- [Why A Daughter Needs A Dad: Celebrate Your Father Daughter Bond This Father's Day With This Special Picture Book! \(always In My Heart\) By Gregory E. Lang](#)

element • Visualize data with the D3.js library and scalable vector graphics (SVG) • Make electronic music with Tone.js and the Web Audio API If you've been thinking about digging into programming, JavaScript Crash Course will get you writing real programs fast. Why wait any longer? Jump on your magic carpet and ride!

**Narrative Economics** Princeton University Press

If you're looking to make a career move from programmer to AI specialist, this is the ideal place to start. Based on Laurence Moroney's extremely successful AI courses, this introductory book provides a hands-on, code-first approach to help you build confidence while you learn key topics. You'll understand how to implement the most common scenarios in machine learning, such as computer vision, natural language processing (NLP), and sequence modeling for web, mobile, cloud, and embedded runtimes. Most books on machine learning begin with a daunting amount of advanced math. This guide is built on practical lessons that let you work directly with the code. You'll learn: How to build models with TensorFlow using skills that employers desire The basics of machine learning by working with code samples How to implement computer vision, including feature detection in images How to use NLP to tokenize and sequence words and sentences Methods for embedding models in Android and iOS How to serve models over the web and in the cloud with TensorFlow Serving

*Python Crash Course* John Wiley & Sons

"I never thought I would see him again. Not in the real world. Not here." After Arden Hart gets into a horrible collision with a drunk driver, her life comes to a standstill. Now, she's a year behind her peers in graduating high school, college plans are on hold indefinitely, and nightmares of that horrifying night plague her every time she shuts her eyes. The only way she can cope with her past is by detaching from the present, so Arden makes it her mission to isolate herself. Everything changes when Henry Ames, the young, mysterious guy who saved her from the car wreck, unexpectedly becomes the new Creative Writing teacher at her high school. Much to Arden's frustration, his presence is a constant reminder of the night she's tried so hard to forget. When Henry is forced to help her with an assignment that confronts her buried emotions, she has no choice but to face her trauma head-on. What she doesn't expect is the immediate connection she feels to Henry. As the two begin to develop an undeniable bond, Arden comes to a startling realization—the one person she cannot have is the only person she doesn't want to push away. Though Henry is adamant that their relationship remains professional, neither can deny their growing feelings. When boundaries blur, emotions run high, and secrets from that terrible night emerge, Arden must decide if the fight for Henry's heart is worth risking her own.

*Learn Python 3 the Hard Way* O'Reilly Media

Unlock the power of artificial intelligence with top Udemy AI instructor Hadelin de Ponteves. Key Features Learn from friendly, plain English explanations and practical activities Put ideas into action with 5 hands-on projects that show step-by-step how to build intelligent software Use AI to win classic video games and construct a virtual self-driving car Book Description Welcome to the Robot World ... and start building intelligent software now! Through his best-selling video courses, Hadelin de Ponteves has taught hundreds of thousands of people to write AI software. Now, for the first time, his hands-on, energetic approach is available as a book. Starting with the basics before easing you into more complicated formulas and notation, AI Crash Course gives you everything you need to build AI systems with reinforcement learning and deep learning. Five full working projects put the ideas into action, showing step-by-step how to build intelligent software using the best and easiest tools for AI programming, including Python, TensorFlow, Keras, and PyTorch. AI Crash Course teaches everyone to build an AI to work in their applications. Once you've read this book, you're only limited by your imagination. What you will learn Master the basics of AI without any previous experience Build fun projects, including a virtual-self-driving car and a robot warehouse worker Use AI to solve real-world business problems Learn how to code in Python Discover the 5 principles of reinforcement learning Create your own AI toolkit Who this book is for If you want to add AI to your skillset, this book is for you. It doesn't require data science or machine learning knowledge. Just maths basics (high school level).