

Introduction To Machine Learning With Python A For Data Scientists

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get programming learn to code with python teaches you the basics of computer programming using the python language in this exercise driven book you ll be doing something on nearly every page as you work through 38 compact lessons and 7 engaging capstone projects by exploring the crystal clear illustrations exercises that check your understanding as you go and tips for what to try next you ll start thinking like a programmer in no time this book works perfectly alongside our video course get programming with python in motion available exclusively at manning com manning com livevideo get programming with python in motion purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications what s inside

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many python developers are curious about what machine learning is and how it can be concretely applied to solve issues faced in

businesses handling medium to large amount of data machine learning with python teaches you the basics of machine learning and provides a thorough hands on understanding of the subject you ll learn important machine learning concepts and algorithms when to use them and how to use them the book will cover a machine learning workflow data preprocessing and working with data training algorithms evaluating results and implementing those algorithms into a production level system

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embark on an exciting journey into the world of machine learning with machine learning with python a hands on introduction your guide to demystifying complex concepts and turning data into actionable insights picture yourself stepping into the fascinating realm of data exploration and visualisation it s like embarking on a thrilling adventure where you ll learn the language of statistics and uncover hidden patterns in your data preparing you for the challenges ahead as you venture further you ll be introduced to the heroes of supervised machine learning from the dependable linear regression to the versatile tree based methods each chapter is designed to build your confidence like mastering a new skill that empowers you to make sense of the world around you step by step but wait there s more unit iii invites you to meet the geniuses of the machine learning world neural networks imagine diving into the inner workings of these digital brains understanding how they learn and adapt just like we humans do as the journey progresses you ll encounter unsupervised learning where data reveals its secrets without guidance it s like exploring uncharted territory where every discovery brings you closer to understanding the mysteries of your data and fear not weary traveller for our appendices are like trusty companions ready to assist you on your quest from python basics to advanced data wrangling and visualisation techniques they re here to lend a helping hand whenever you need them so whether you re a curious beginner or a seasoned explorer machine learning with python a hands on introduction promises an adventure like no other join us and together let s unlock the power of data and embark on a thrilling journey of discovery and innovation

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master python and elevate your algorithmic skills with this comprehensive course from introductory concepts to advanced

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in a way that mirrors real world development finally you ll discover the key steps in building and using simple machine learning algorithms by the end of this python book you ll have the knowledge skills and confidence to creatively tackle your own ambitious projects with python what you will learnwrite clean and well commented code that is easy to maintainautomate essential day to day tasks with python scriptsdebug logical errors and handle exceptions in your programexplore data science fundamentals and create engaging visualizationsget started with predictive machine learningkeep your development process bug free with automated testingwho this book is for this book is designed for anyone who is new to the python programming language whether you re an aspiring software engineer or data scientist or are just curious about learning how to code with python this book is for you no prior programming experience is required

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this book presents computer programming as a key method for solving mathematical problems there are two versions of the book

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