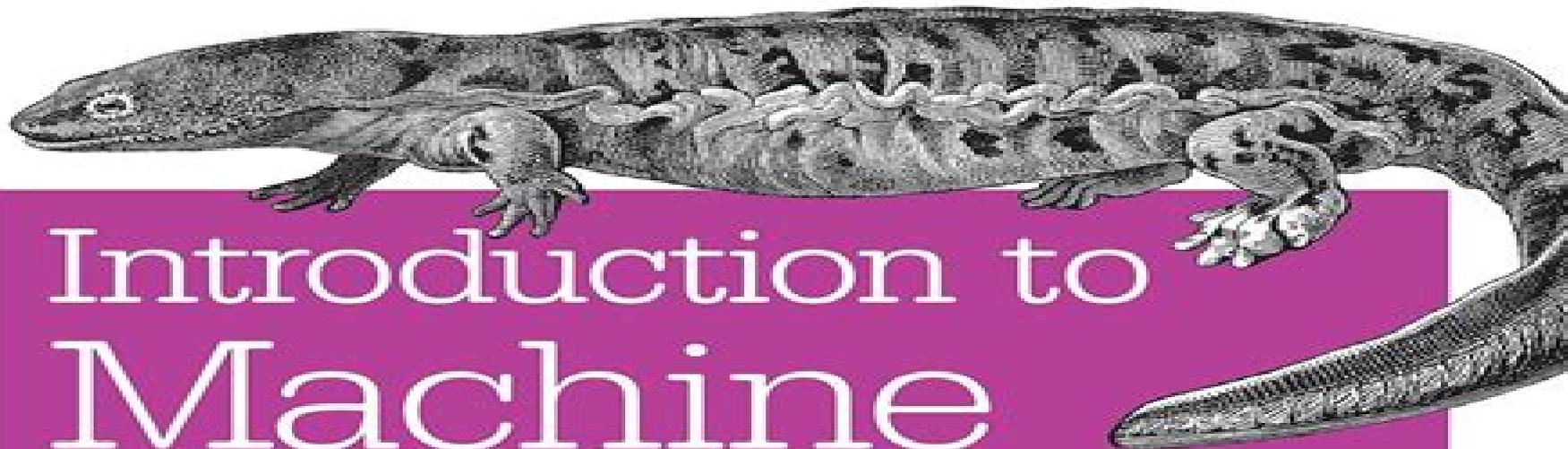


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Introduction to Machine Learning With Python Deborah Oliver,2019-11-02 This book gives a layman explanation for machine learning using Python We will explain a lot of basic machine learning topics using python code There are a lot of examples that we can use to master the skill of Data science This book will help you understand the basic algorithms that machine learning deals with There are a lot of concepts that can be used to acquire advanced skills in data science and its subsequent subfields In the first chapter we will discuss very basics and introduce Python environment for the users There are certain basic principles that can be learned using the book We will then discuss data processing techniques which are very important for a good machine learning model We will introduce pandas numpy models to the reader along with their use cases We will also try to expand our knowledge using machine learning algorithms that are described in the book In the next sections we will learn about machine learning models The last two chapters will give a practical point of view to what we have discussed Below we explain the most important concepts we discussed in this book in no particular order Introduction to machine learning and python environment Introduction to numpy Pythons and other machine learning python modules Introduction to data processing techniques in detail Introduction to data visualization in detail We will learn about histogram and pie in detail We will learn about a lot of machine learning algorithms like Regression analysis Decision trees Support vector machine and others in detail We will also discuss other algorithms in brief We will learn about ensemble modeling in detailed in the chapters inside We will give a few use cases to it We will also discuss hyperparameter turning in detail We will next learn about machine learning project structure pipelines and other advanced topics in the last chapter So why are you still waiting Go buy it

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Key Features Navigate through Python's machine learning libraries effectively Learn exploratory data analysis and data scrubbing techniques Design and evaluate machine learning models with precision

Book DescriptionThe course starts by setting the foundation with an introduction to machine learning Python and essential libraries ensuring you grasp the basics before diving deeper It then progresses through exploratory data analysis data scrubbing and pre model algorithms equipping you with the skills to understand and prepare your data for modeling The journey continues with detailed walkthroughs on creating evaluating and optimizing machine learning models covering key algorithms such as linear and logistic regression support vector machines k nearest neighbors and tree based methods Each section is designed to build upon the previous reinforcing learning and application of concepts Wrapping up the course introduces the next steps including an introduction to Python for newcomers ensuring a comprehensive understanding of machine learning applications

What you will learn Analyze datasets for insights Scrub data for model readiness Understand key ML algorithms Design and validate models Apply Linear and Logistic Regression Utilize K Nearest Neighbors and SVMs

Who this book is for This course is ideal for aspiring data scientists and professionals looking to integrate machine learning into their workflows A basic understanding of Python and statistics is beneficial

Machine Learning Python Nexcod Publishing,2019-07-04 Python Machine learning Python is a general purpose high level programming language that is being increasingly used in data science and in designing machine learning algorithms This tutorial provides a quick introduction to Python and its libraries like numpy scipy pandas matplotlib and explains how it can be applied to develop machine learning algorithms that solve real world problems This tutorial starts with an introduction to machine learning and the Python language and shows you how to setup Python and its packages It further covers all important concepts such as exploratory data analysis data preprocessing feature extraction data visualization and clustering classification regression and model performance evaluation This tutorial also provides various projects that teaches you the techniques and functionalities such as news topic classification spam email detection online ad click through prediction stock prices forecast and other several important machine learning algorithms This tutorial has been prepared for professionals aspiring to learn the basics of Python and develop applications involving machine learning techniques such as recommendation classification and clustering Through this tutorial you will learn to solve data driven problems and implement your solutions using the powerful yet simple programming language Python and its packages After completing this tutorial you will gain a broad picture of the machine learning environment and the best practices for machine learning techniques

Python Machine Learning Wei-Meng Lee,2019-04-04 Python makes machine learning easy for beginners and experienced developers With computing power increasing exponentially and costs decreasing at the same time there is no better time to learn machine learning using Python Machine learning tasks that once required enormous processing power are now possible on desktop machines However machine learning is not for the faint of

heart it requires a good foundation in statistics as well as programming knowledge Python Machine Learning will help coders of all levels master one of the most in demand programming skillsets in use today Readers will get started by following fundamental topics such as an introduction to Machine Learning and Data Science For each learning algorithm readers will use a real life scenario to show how Python is used to solve the problem at hand Python data science manipulating data and data visualization Data cleansing Understanding Machine learning algorithms Supervised learning algorithms Unsupervised learning algorithms Deploying machine learning models Python Machine Learning is essential reading for students developers or anyone with a keen interest in taking their coding skills to the next level

Machine Learning with Python
William Gray, 2019-07-26 Do you Know exactly M L why is it so valuable in data business Are you thinking of learning but are you afraid it s not enough This book teaches you thanks to Python the ways to do it Buy the Paperback version and get the Kindle Book versions for FREE Machine Learning is a branch of AI that applied algorithms to learn from data and create predictions this is important in predicting the world around us Today ML algorithms accomplish tasks that until recently only expert humans could perform and as machines get ever more complex and perform more and more tasks to free up our time so it is that new ideas are developed to help us continually improve their speed and abilities Programmers who know close to nothing about this technology now can use simple efficient tools to implement programs capable of learning from data Python is a popular and open source programming language In addition it is one of the most applied languages in artificial intelligence and other scientific fields Inside Machine Learning with Python you ll learn Fundamental concepts and applications of machine learning Understand the various categories of machine learning algorithms Some of the branches of Artificial Intelligence The basics of Python Concepts of Machine Learning using Python Python Machine Learning Applications Machine Learning Case Studies with Python The way that Python evolved throughout time And many more Understand the key frameworks in ML Latest Python open source libraries in ML ML techniques using real world data The ML Classifiers Using Scikit Learn Implementing a Multilayer Artificial Neural Network from Scratch The Mechanics of TensorFlow ML Model into a Web Application The future of ML You are required to have installed the following on your computer Python 3 X Numpy Pandas Matplotlib Throughout the recent years artificial intelligence and machine learning have made some enormous significant strides in terms of universal global applicability You ll discover the steps required to develop a successful machine learning application using Python This book offers a lot of insight into machine learning for both beginners as well as for professionals who already use some machine learning techniques Using the latest Python open source libraries this book offers the practical knowledge you need to create and contribute to machine learning and modern data analysis Machine Learning with Python is a step by step guide for any person who wants to start learning Artificial Intelligence It will help you in preparing a solid foundation and learn any other high level courses Stay ahead and make a choice that will last If You like to know more scroll to the top and select BUY NOW button Buy the Paperback version and

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