

1. Record Nr.	UNINA9910700177703321
Titolo	Thailand [[electronic resource]] : the path toward reconciliation : hearing before the Subcommittee on Asia, the Pacific, and the Global Environment of the Committee on Foreign Affairs, House of Representatives, One Hundred Eleventh Congress, second session, June 10, 2010
Pubbl/distr/stampa	Washington : , : U.S. G.P.O., , 2010
Descrizione fisica	1 online resource (iii, 120 pages) : illustrations
Soggetti	Reconciliation - Political aspects - Thailand Political violence - Thailand Demonstrations - Thailand Political stability - Thailand Thailand Politics and government 1988- United States Foreign relations Thailand Thailand Foreign relations United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Feb. 18, 2011). Paper version available for sale by the Supt. of Docs., U.S. G.P.O. "Serial no. 111-118."

2. Record Nr.	UNINA9911011858203321
Autore	Brasil Jorge
Titolo	Before Machine Learning Volume 2 - Calculus for A. I : The Fundamental Mathematics for Data Science and Artificial Intelligence
Pubbl/distr/stampa	Birmingham : , : Packt Publishing, Limited, , 2023 ©2023
ISBN	9781836200680 1836200684
Edizione	[1st ed.]
Descrizione fisica	1 online resource (314 pages)
Soggetti	COMPUTERS / Intelligence (AI) & Semantics MATHEMATICS / Calculus MATHEMATICS / Differential Equations / General
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Before Machine Learning Volume 2 - Calculus for A.I: The Fundamental Mathematics for Data Science and Artificial Intelligence
Sommario/riassunto	Deepen your calculus foundation for AI and machine learning with essential concepts like derivatives, integrals, and multivariable calculus, all applied directly to neural networks and optimization. Key Features A step-by-step guide to calculus concepts tailored for AI and machine learning applications Clear explanations of advanced topics like Taylor Series, gradient descent, and backpropagation Practical insights connecting calculus principles directly to neural networks and data science Book Description This book takes readers on a structured journey through calculus fundamentals essential for AI. Starting with "Why Calculus?" it introduces key concepts like functions, limits, and derivatives, providing a solid foundation for understanding machine learning. As readers progress, they will encounter practical applications such as Taylor Series for curve fitting, gradient descent for optimization, and L'Hôpital's Rule for managing undefined expressions. Each chapter builds up from core calculus to multidimensional topics, making complex ideas accessible and applicable to AI. The final chapters guide readers through multivariable calculus, including

advanced concepts like the gradient, Hessian, and backpropagation, crucial for neural networks. From optimizing models to understanding cost functions, this book equips readers with the calculus skills needed to confidently tackle AI challenges, offering insights that make complex calculus both manageable and deeply relevant to machine learning.

What you will learn

- Explore the essentials of calculus for machine learning
- Calculate derivatives and apply them in optimization tasks
- Analyze functions, limits, and continuity in data science
- Apply Taylor Series for predictive curve modeling
- Use gradient descent for effective cost-minimization
- Implement multivariable calculus in neural networks

Who this book is for

Aspiring AI engineers, machine learning students, and data scientists will find this book valuable for building a strong calculus foundation. A basic understanding of calculus is beneficial, but the book introduces essential concepts gradually for all levels.
