

1. Record Nr.	UNINA9910495216903321
Autore	Moniz Alicia
Titolo	Beginning Azure cognitive services : data-driven decision making through artificial intelligence // Alicia Moniz [et al.]
Pubbl/distr/stampa	New York : , : Apress, , [2021] ©2021
ISBN	1-4842-7176-9
Edizione	[1st edition 2021.]
Descrizione fisica	1 online resource (XXII, 306 p. 226 illus.)
Disciplina	658.403
Soggetti	Decision making - Data processing Artificial intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes index.
Nota di contenuto	1. Introducing Cognitive Services -- 2. Prerequisites and Tools -- 3. Vision -- 4. Language in Cognitive Services -- 5. Speech Services -- 6. Power Platform & Cognitive Services -- 7. Chatbots,- 8. Ethics in AI.
Sommario/riassunto	Get started with Azure Cognitive Services and its APIs that expose machine learning as a service. This book introduces the suite of Azure Cognitive Services and helps you take advantage of the proven machine learning algorithms that have been developed by experts and made available through Cognitive Services, easily integrating those algorithms into your own applications without having to develop the algorithms from scratch. The book also shows you how to use the algorithms provided by Cognitive Services to accelerate data analysis and development within your organization. The authors begin by introducing the tools and describing the steps needed to invoke libraries to analyze structured and unstructured text, speech, and pictures, and you will learn to create interactive chatbots using the Cognitive Services libraries. Each chapter contains the information you need to implement artificial intelligence (AI) via Azure Cognitive Services in your personal and professional projects. The book also covers ethical considerations that are becoming increasingly of concern when using AI to drive decision making. You will be introduced to tools such as FairLearn and InterpretML that can help you detect bias and

understand the results your models are generating. You will learn to:
Invoke the Cognitive Services APIs from a variety of languages and apps
Understand common design architectures for AI solutions in Azure
Decrease discrimination and bias when creating an AI-driven solution
Execute the examples within the book and learn how to extend those examples
Implement best practices for leveraging the Vision, Speech, and Language parts of the suite
Test Cognitive Services APIs via the Azure portal and using the Postman API tool
Execute AI from low-code and no-code platforms like Logic Apps and Microsoft's Power Platform.
