1. **Record Nr.**   UNISA996199210703316

Autore   Marcellinus Ammianus

Titolo   History . Volume I / / Ammianus Marcellinus

Pubbl/distr/stampa   Cambridge, MA : , : Harvard University Press, , 1950

ISBN   0-674-99331-4

Descrizione fisica   1 online resource (640 pages)

Disciplina   355.330973

Soggetti   African American soldiers

Lingua di pubblicazione   Inglese

Formato   Materiale a stampa

Livello bibliografico   Monografia

Nota di bibliografia   Includes bibliographical references.

Sommario/riassunto   Ammianus (c. 325-c. 395 CE), a Greek from Antioch, served many years as an officer in the Roman army, then settled in Rome, where he wrote a Latin history of the Roman Empire. The portion that survives covers twenty-five years in the historian's own lifetime: the reigns of Constantius, Julian, Jovian, Valentinian I, and Valens. Ammianus Marcellinus, ca. 325-ca. 395 CE, a Greek of Antioch, joined the army when still young and served under the governor Ursicinus and the emperor of the East Constantius II, and later under the emperor Julian, whom he admired and accompanied against the Alamanni and the Persians. He subsequently settled in Rome, where he wrote in Latin a history of the Roman empire in the period 96-378 CE, entitled Rerum Gestarum Libri XXXI. Of these 31 books only 14-31 (353-378 CE) survive, a remarkably accurate and impartial record of his own times. Soldier though he was, he includes economic and social affairs. He was broadminded towards non-Romans and towards Christianity. We get from him clear indications of causes of the fall of the Roman empire. His style indicates that his prose was intended for recitation. The Loeb Classical Library edition of Ammianus Marcellinus is in three volumes.

2. Record Nr.	UNINA9910847154703321
Autore	Paaß Gerhard
Titolo	Foundation Models for Natural Language Processing : Pre-trained Language Models Integrating Media / / by Gerhard Paaß, Sven Giesselbach
Pubbl/distr/stampa	Cham : , , : Springer International Publishing : , , : Imprint : Springer, , 2023
ISBN	9783031231902 3031231902
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Descrizione fisica	1 online resource
Collana	Artificial Intelligence: Foundations, Theory, and Algorithms, , 2365-306X
Classificazione	COM004000COM025000COM073000LAN009000
Altri autori (Persone)	GiesselbachSven
Disciplina	006.35
Soggetti	Natural language processing (Computer science) Computational linguistics Artificial intelligence Expert systems (Computer science) Machine learning Natural Language Processing (NLP) Computational Linguistics Artificial Intelligence Knowledge Based Systems Machine Learning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction -- 2. Pre-trained Language Models -- 3. Improving Pre-trained Language Models -- 4. Knowledge Acquired by Foundation Models -- 5. Foundation Models for Information Extraction -- 6. Foundation Models for Text Generation -- 7. Foundation Models for Speech, Images, Videos, and Control -- 8. Summary and Outlook.
Sommario/riassunto	This open access book provides a comprehensive overview of the state of the art in research and applications of Foundation Models and is intended for readers familiar with basic Natural Language Processing (NLP) concepts. Over the recent years, a revolutionary new paradigm has been developed for training models for NLP. These models are first

pre-trained on large collections of text documents to acquire general syntactic knowledge and semantic information. Then, they are fine-tuned for specific tasks, which they can often solve with superhuman accuracy. When the models are large enough, they can be instructed by prompts to solve new tasks without any fine-tuning. Moreover, they can be applied to a wide range of different media and problem domains, ranging from image and video processing to robot control learning. Because they provide a blueprint for solving many tasks in artificial intelligence, they have been called Foundation Models. After a brief introduction tobasic NLP models the main pre-trained language models BERT, GPT and sequence-to-sequence transformer are described, as well as the concepts of self-attention and context-sensitive embedding. Then, different approaches to improving these models are discussed, such as expanding the pre-training criteria, increasing the length of input texts, or including extra knowledge. An overview of the best-performing models for about twenty application areas is then presented, e.g., question answering, translation, story generation, dialog systems, generating images from text, etc. For each application area, the strengths and weaknesses of current models are discussed, and an outlook on further developments is given. In addition, links are provided to freely available program code. A concluding chapter summarizes the economic opportunities, mitigation of risks, and potential developments of AI.