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2η Έκδοση

ΥΠΟΛΟΓΙΣΤΙΚΗ ΓΛΩΣΣΟΛΟΓΙΑ

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Abstract

The book describes the basic principles, methods, and tools of Computational Linguistics (CL). The book is interdisciplinary in nature and is of interest to undergraduate and postgraduate students studying linguistics in the country's philology departments, as well as those studying computer science and/or engineering. Given the nature of the book, its subject matter is divided into two main areas. The first area aims to familiarize readers with and consolidate theoretical concepts and principles of linguistics at various levels of linguistic analysis. The second axis relates to the connection between the findings of theoretical linguistics and the practical applications of LT. These two axes are intertwined throughout the book. The first chapter provides an overview of the subject of FL and its connection with both theoretical linguistics and computer science and LT applications, establishing a common basis of interest for two different types of readers: philologists-linguists and computer scientists. The second chapter is devoted to the concepts of discrete mathematics, the understanding of which is essential in all subfields of LT and constitutes the core of LT's interdisciplinarity. Chapters 3-6 present the theory and applications of LSI at the lexical, syntactic, and textual levels of analysis, using examples from existing tools for Greek. The final chapter is devoted to the directions and challenges of LSI in the coming years.

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