"Harnessing Greek Textual Resources with Large Language Models and Conversational AI"

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Περίληψη – Abstract

The evolution of Natural Language Processing (NLP) has ushered in an era of unprecedented opportunities for the exploration and utilization of Greek textual resources. This presentation delves into the transformative potential of large language models and conversational AI in exploiting these resources. Large language models (LLMs) have redefined our interactions with text. These models, with their vast knowledge base, offer remarkable capabilities in comprehending, generating, and manipulating human language. However, their application to Greek presents unique challenges and opportunities that demand special attention.

This work explores the adaptation and fine-tuning of LLMs for Greek, demonstrating their efficacy in knowledge extraction and various language-related tasks. In addition, LLMs are integral to the development of conversational AI systems in Greek. We demonstrate that conversational agents can engage users in more meaningful interactions, facilitating access to Greek textual resources. We strongly believe that the fusion of cutting-edge NLP techniques, like LLMs and conversational AI, and Greek language resources can empower researchers, businesses, and educators alike.

Dr. Konstantinos Skianis is a tech enthusiast and from 2020 through his company BLUAI, has assisted organizations and other companies to adopt and incorporate novel artificial intelligence, machine learning, and natural language processing technologies. Previously, Dr. Konstantinos Skianis completed his Ph.D. on "Novel Representations, Regularization & Distances for Text Classification" at École Polytechnique, Paris, France, supervised by Professor Michalis Vazirgiannis. He also holds a master's degree in Math, Computer Vision, and Machine Learning from Ecole Normale Superieure Paris-Saclay, France. He is an active researcher in the areas of natural language processing, machine learning, deep learning, and data science by publishing papers in top-tier scientific journals and conferences.

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