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Title: Investigating Code Generation Performance of ChatGPT with Crowdsourcing Social Data

Keywords specific to the paper: Evaluation of coding performance, Analysis of social media data, Code generation

The article studies the coding performance of ChatGPT, a large AI language model, using a crowdsourcing data-based framework to analyze social media data related to its code generation. The analysis reveals a wide use of ChatGPT in tasks in various programming languages. The paper discusses the evaluation methodology, user feedback, data collection from platforms like Twitter and Reddit, and sentiment analysis on the generated code. It explores the impact of ChatGPT on AI technologies, the results of sentiment analysis across all platforms, the creation of a public dataset for Python, and ethical concerns about biases in the generated code.

The paper studies the performance of AI models, focusing on ChatGPT. It highlights how AI is transforming the teaching of programming and software.
A study based on crowdsourcing data to analyze social media data related to ChatGPT code generation.
shows that ChatGPT is used for tasks such as debugging and academic assignments. The document provides data for future AI-based research, covering various programming languages, tasks and stakeholder perspectives. It also shows in appendices bug fixes, interactions and keyword searches by Reddit and Twitter users in managing complex software projects.

This part shows us ChatGPT coding performance analyses using data sets from social networks. The proposed scalable, data-driven crowdsourcing framework includes components such as keyword expansion and selection, data collection, data analysis and model recognition.

The document details the method of data collection via Twitter and Reddit, as well as data analysis using natural language processing and image comprehension techniques. It includes hashtag-based annexes and research related to AI, programming and other technology areas, highlighting ChatGPT's involvement in AI. The section also covers analysis of the temporal distribution of posts on Twitter and Reddit related to ChatGPT code generation.
what are the AI models used in this document and what are the sprcific keywords of this document

AI Model used: Chat GPT