

Test Task: Advanced Text Summarization Techniques

Introduction:

At GreenM, we pride ourselves on staying updated with the latest advancements in data analytics and AI. Recently, a research paper titled "Advanced Techniques in Text Summarization using the Chain of Density (CoD) Approach" caught our attention. This approach represents a paradigm shift in how we understand and implement text summarization, and we believe it holds significant potential for our products, especially Trevisé.

Objective:

This test task is designed to assess your ability to grasp, analyze, and apply this groundbreaking approach in a context that could further enhance the capabilities of Trevisé, our AI-driven tool for customer sentiment analysis.

Task 1: Market Research and Analysis:

- **Objective:** Understand the broader implications of the CoD approach in the market.
 - Read the provided research paper on the CoD approach to text summarization.
 - Research how other data analytics companies or AI-driven solutions are implementing or could implement similar text summarization techniques.
 - Provide insights on market trends, potential competitors, and opportunities for GreenM, with a special focus on Trevisé's customer feedback summarization.

Task 2: Coding Challenge:

- **Objective:** Showcase your coding proficiency and understanding of text summarization.
 - Implement a simple text summarization algorithm inspired by the CoD approach, using a sample dataset of your choice.
 - Your code should be clean, well-documented, and accompanied by a brief explanation of your chosen method, the dataset used, and any challenges encountered.
 - We are not expecting a fully integrated solution, but rather a proof-of-concept that demonstrates your coding skills and understanding of the topic.

Task 3: Presentation:

- **Objective:** Gauge your communication skills, understanding of the subject, and ability to convey complex information.
 - Prepare a presentation (10-15 slides) based on the findings from Tasks 1 and 2.
 - Cover an overview of the CoD approach, market research findings, and the insights from your coding challenge.
 - Be prepared to answer questions and discuss findings in detail.

About Trevisé:

Trevisé stands at the forefront of AI-powered customer sentiment analysis, transforming opinions into opportunities. By leveraging advanced Generative AI, Trevisé deciphers

nuanced feedback, enabling businesses to understand their customers better and take impactful actions. You can learn more about Trevisé and its features by visiting [Trevisé's Official Website](#).