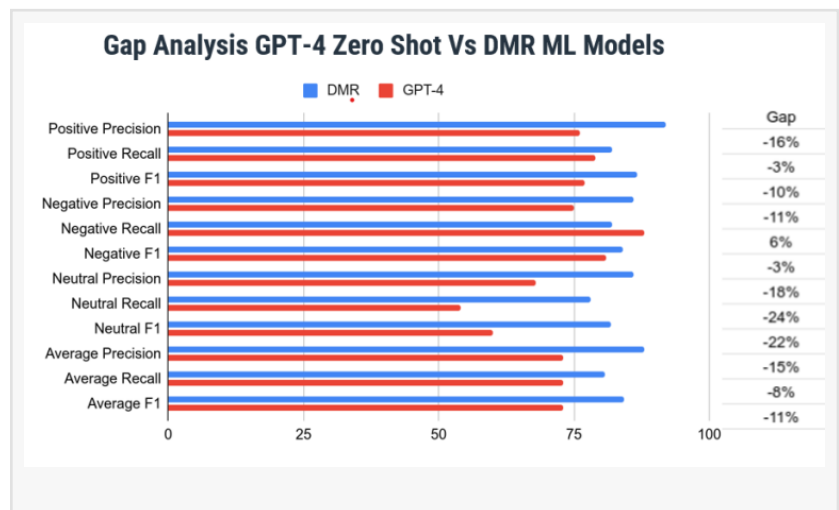


DMR's AI Models more accurate than GPT-4 in Sentiment Analysis

LONDON, UNITED KINGDOM, October 31, 2023 /EINPresswire.com/ -- The DMR data science team performed an accuracy gap analysis between GPT-3.5 Turbo and DMR's custom AI models for sentiment tagging in August 2023. The results were striking, with DMR outperforming GPT-3.5 Turbo by a substantial 27 percentage points in the zero-shot scenario.



DMR obtained access to GPT-4 this month after a lengthy process, primarily due to the rather cumbersome process of OpenAI and has performed a similar gap analysis as with GPT3.5 turbo.

DMR's gap analysis on GPT-4 showed that the average F1 Score gap between DMR's AI sentiment model and GPT-4 is 11 percentage points in favour of DMR. While this is a 16-percentage point improvement over GPT-3.5 Turbo, it still falls short of DMR's performance by a double-digit percentage.

“

Until we get to artificial general intelligence (AGI) - if ever - training data created by humans will be king if we want machine learning models that perform with at least 80% accuracy.”

Michalis Michael - DMR CEO

This is another [proof](#) to support multiple peer reviewed [scientific papers](#) which state that LLMs have a disadvantage compared to context based custom AI models trained on data that relate to the subject of the research. In this case, the data used were banking and alcoholic beverages related posts gathered from social

media and other online posts using [listening247](#) – the unstructured data analytics platform of DMR.

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