



# Spark Mind

## Cognitive Assessment Report

### ### Overview

This report presents a cognitive assessment based on a series of digital tasks designed

### ### Metrics Explanation

The following metrics were collected during the assessment:

- \* **Stroop Colour:** Measures processing speed and executive function, specifically the

### ### Memory Game Analysis

- \* **Score:** 0

### ### Image Recall

- \* **Score:** 0

### ### Stroop Colour

- \* **Score:** 0

### ### Speech Analysis

The speech analysis comprises several metrics across three audio files:

- \* **Pause Density:** Reflects the proportion of time spent pausing during speech.
- \* **Filler Words:** The frequency of filler words ("um," "uh") can indicate hesitation
- \* **Lexical Diversity:** Measures the range of vocabulary used. Lower lexical diversity
- \* **Speech Fluency:** Quantifies the rate of speech (words per second). Slower speech
- \* **Repeated Words:** Repetition of words can indicate difficulty with recall or

**Observations:** The speech metrics reveal variability across the audio files. File 2

### ### Sentiment Analysis

Sentiment analysis was performed on the audio files, yielding the following results:

- \* **File 1:** "very negative" (weighted score: 40.796)
- \* **Interpretation:** The sentiment analysis indicates a shift from a "very negative"

### ### Heuristic Cognitive Risk Assessment

Based on the combined metrics, a heuristic cognitive risk assessment has been generated.

- \* **Probability:** Not Provided.
- \* **Contributing Factors:** The very low scores on the Stroop Colour, Memory Game, and
- \* **Disclaimer:** It is important to understand that this is NOT a diagnosis. This

### ### Integrated Interpretation

The overall pattern of results raises concerns about potential cognitive difficulties.

### ### Recommendations

Given the results of this assessment, the following recommendations are made:

1. **\*\*Consultation with a Healthcare Professional:\*\*** A comprehensive evaluation by a

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*It is a test done by AI; if the score is too high it is suggested to consult a doctor immediately, if not then also it is better to meet a doctor.*