

# Cognitive Assessment Report

Generated on April 14, 2025  
MemoTag Voice Analysis System

## Audio Information

Duration	Sample Rate	File Format
3.65s	44100 Hz	wav

## Speech Transcription

tell me about yourself

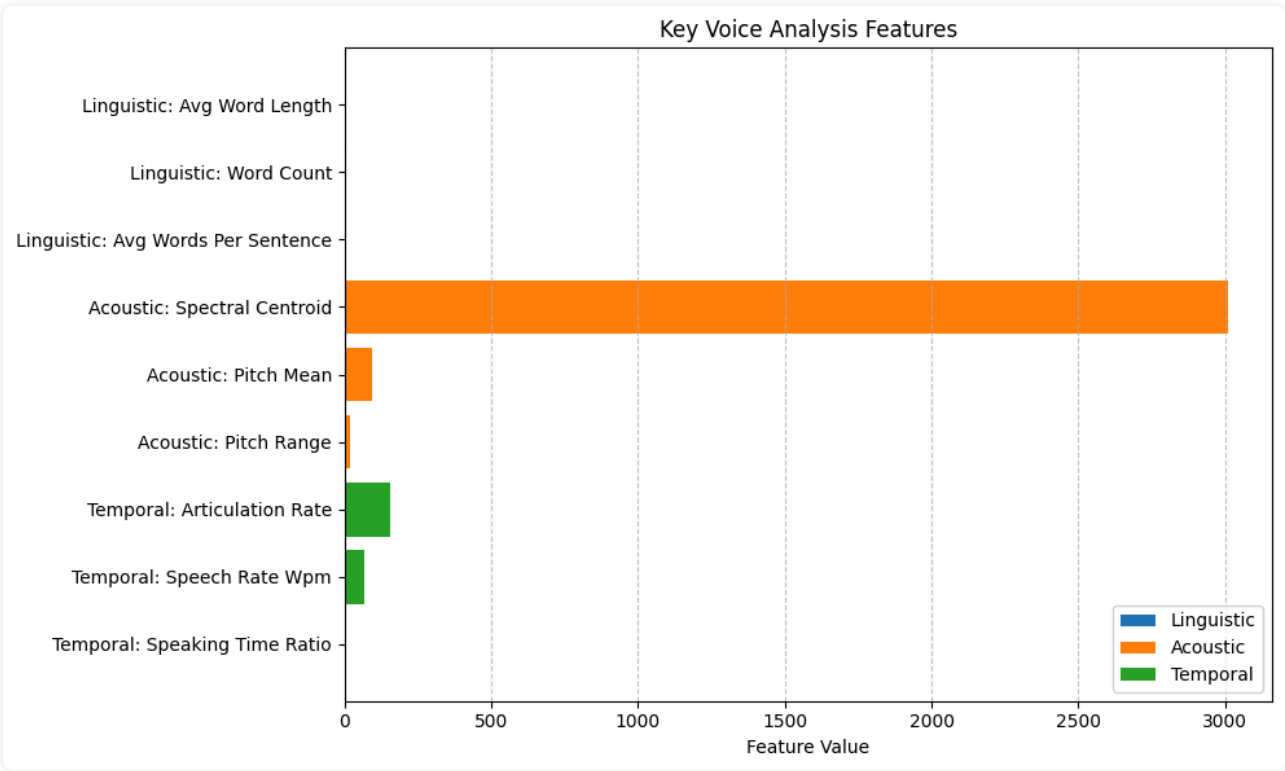
## Key Speech Metrics

Linguistic Features	Acoustic Features	Temporal Features
Hesitation Frequency: 0.000	Pause Rate: 0.274	Speech Rate (WPM): 65.834
Type-Token Ratio: 1.000	Harmonics-to-Noise Ratio: 0.8618758	Response Latency: 0

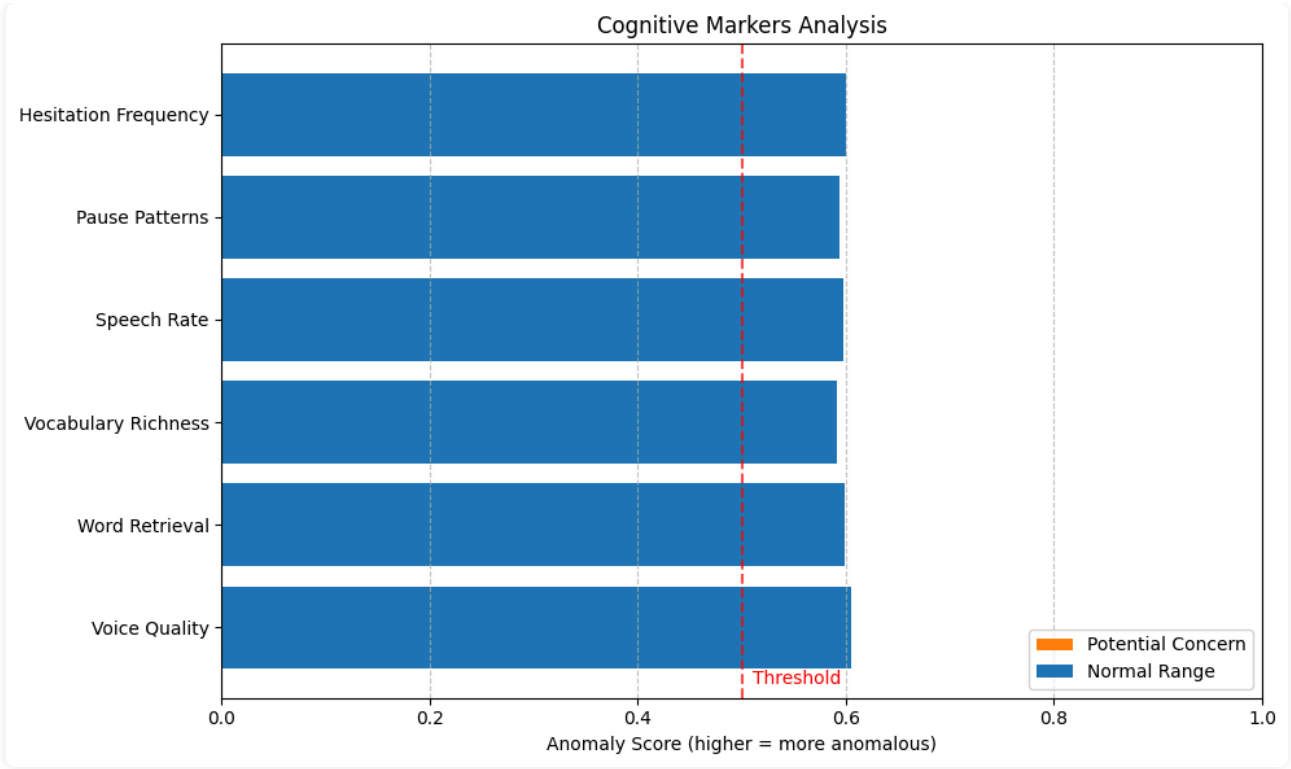
Linguistic Features	Acoustic Features	Temporal Features
Word Retrieval Issues: 0	Jitter: 0.012	Long Pause Rate: 0.000

Visualizations

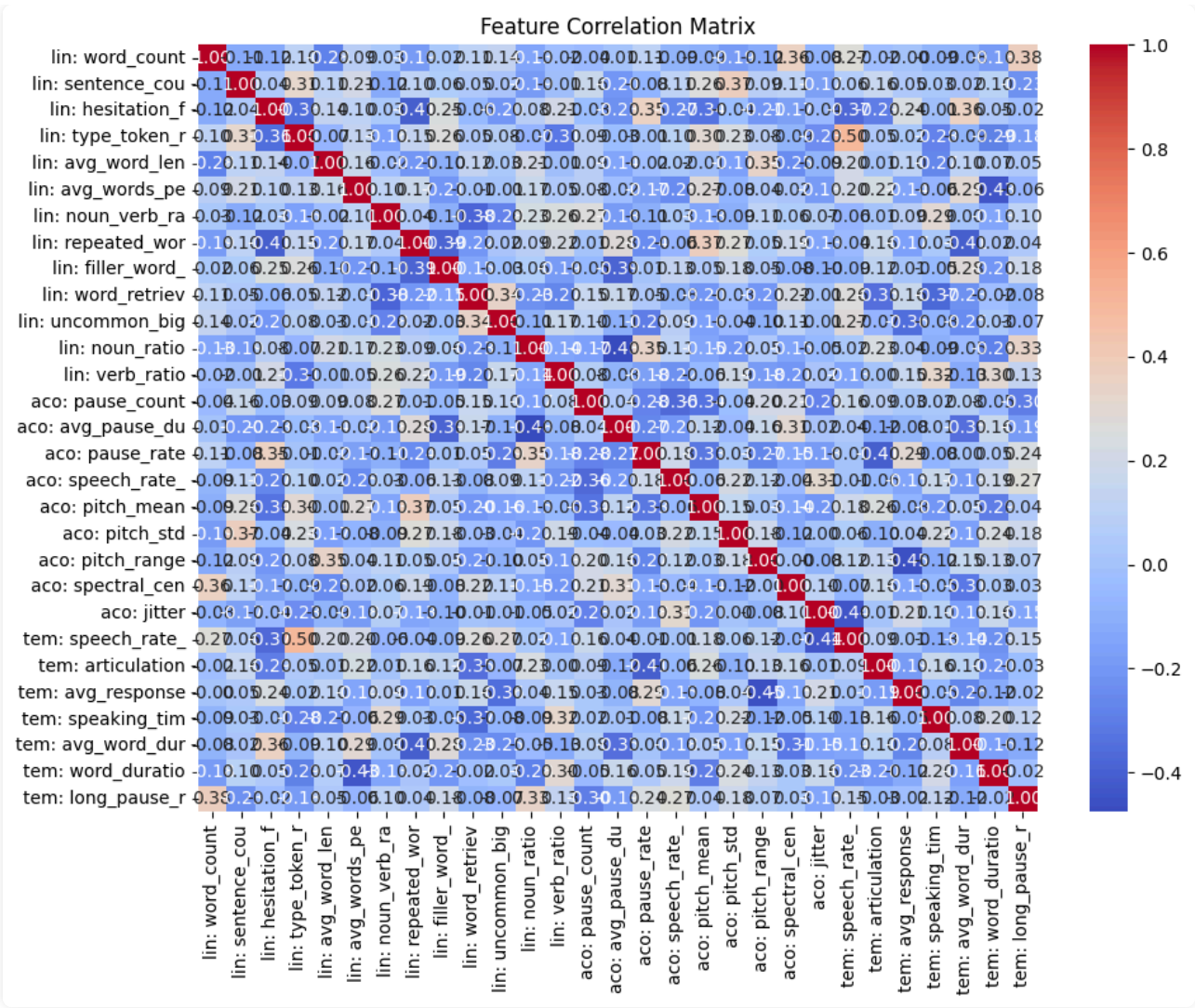
Feature Distribution



Cognitive Markers Analysis



### Feature Correlation



# Assessment and Insights

## Cognitive Risk Assessment

Risk Level: **Moderate**

Score: 0.60

## Feature Insights

### Most Important Features

- Temporal: Speech Rate Wpm (Importance: 0.107)

- **Linguistic: Sentence Count** (Importance: 0.086)
- **Temporal: Articulation Rate** (Importance: 0.053)
- **Linguistic: Hesitation Frequency** (Importance: 0.052)
- **Acoustic: Avg Pause Duration** (Importance: 0.052)

**Feature Category Importance**

<b>Linguistic</b>	0.032
<b>Acoustic</b>	0.030
<b>Temporal</b>	0.044

This report is generated for research purposes only and should not be used for medical diagnosis.

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