Welcome to SpeakScape!

SpeakScape is a business intelligence application that provides data-driven feedback on presentation content, inspired by the language patterns of TED Talks.

By analyzing transcripts and correlating linguistic features with audience engagement metrics, SpeakScape helps presenters improve clarity, emotional impact, and relevance. It combines these insights to create a complete picture of presentation effectiveness, contributing to the final SpeakScape recommendation system that helps users improve their presentation skills based on proven patterns from successful TED Talks.

Stock Image 1

Stock Image 2

TED Talk Analysis

- **Project Overview** – Learn the motivation, research questions, and hypotheses behind SpeakScape
- **Technical Overview** – See the tools, libraries, and system architecture used
- **Notebook Summary** – Explore what each notebook stage revealed
- **Linguistic Visualisations** – View how sentence complexity, rhetorical devices, and tone evolve over time
- **Analysis Models** – Understand the models used to analyze TED Talks and their impact on audience engagement

SpeakScape App

- **Search TED Talks** – Find TED Talks based on topic, speaker, or tag
- **Upload Your Speech** – Get personalized feedback on your uploaded script
- **Key Metrics** – Understand the key metrics used to evaluate presentations
- **SpeakScape Assistant** – Ask questions and get real-time feedback on your presentation script
- **Share Your Feedback** – Participate in our usability study to help improve SpeakScape – share your thoughts and experiences

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Project Title
SPEAKSCAPE

Group 4, l25dat4bi1f - Team Members

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Problem Statement

How can SpeakScape provide actionable, data-driven feedback to users by analyzing their presentation text against TED Talk benchmarks to identify impactful linguistic patterns?

Solution

Our analysis summary can be found via the file
"Exam_Group4_SpeakScape_Summary.md"

Link to Github Repository

Analysis 1:
https://github.com/AlberteVallentin/SpeakScape

Analysis 2 & Streamlit Application:
https://github.com/FeliciaFavrholdt/Speakscape_BI_Exam_Group_4/tree/main