Welcome to Spotify's Data Science Innovation Team!

As a second-year student with a background in music theory, linguistics, and machine learning, you've been selected by Dr. Elena Vazquez, Head of Content Intelligence, to take on a project that could reshape music discovery at Spotify.

Your Task?

Prove that lyrics, not just acoustic features, hold the key to classifying musical genres. Can you unlock the hidden patterns that differentiate a hip-hop track from a country ballad or a metal anthem?

Why This Matters:

Spotify adds 60,000 new songs daily, making accurate genre classification crucial. Current systems focus on audio features, but lyrics provide an untapped opportunity. From country storytelling to hip-hop rhymes, understanding lyrical patterns could improve recommendations for 500 million users worldwide.

Your Mission:

- Analyze a dataset of 10,000 songs across five genres.
- Extract features like emotional tone, rhyme schemes, and vocabulary.
- Build models using NLP and machine learning techniques.
- Evaluate performance and uncover key insights

The Deliverable:

Develop a machine learning model that classifies genres based on lyrics. Your work will have a real-world impact on music recommendations and discovery.

Ready to start? Dive into the GitHub repo: [GitHub Repo Link]
This project is your chance to revolutionize how we understand the language of music!