

# Spotify Project - Data Analysis Portfolio

## Overview

This project involves a comprehensive analysis of the '30000 Spotify Songs' dataset, focusing on exploring the distribution of songs across various genres and subgenres, their temporal distribution, and a detailed examination of various audio features. The goal is to uncover insights into the characteristics of music available on Spotify.

## Contents

- **spotify\_songs.csv**: The original dataset file.
- **Data\_Cleaning\_Scripts**: Scripts or notebooks used for data cleaning and preparation.
- **Exploratory\_Data\_Analysis**: Scripts or notebooks used for exploratory data analysis.
- **Visualizations**: Folder containing visualizations generated during the analysis.
  - **genre\_distribution.png**: Shows the distribution of songs across different genres.
  - **subgenre\_distribution.png**: Illustrates the distribution of songs across top subgenres.
  - **year\_distribution.png**: Depicts the distribution of songs over different years.
  - **audio\_features\_comparison.png**: Compares audio features across different genres.
- **Spotify\_Project\_Report.pdf**: A detailed report of the analysis process, findings, and conclusions.
- **Spotify\_Project\_Presentation.pptx**: A slide presentation summarizing the key aspects of the project.

## Project Report and Presentation

The detailed report and presentation include background information, methodology, detailed findings, visualizations, and conclusions. They provide a comprehensive view of the analytical process and its outcomes, tailored for both technical and non-technical audiences.

## Author

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