Personal Challenge Proposal

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Introduction

This document outlines my personal challenge proposal for my individual project. I will specify my chosen challenge and explain how it fulfills the learning outcomes.

Personal Challenge

My personal challenge is to create a hit song prediction model that determines whether a song will be a hit. This is to help new artist on how to improve their song and create a hit out of it. I have explored song datasets on Kaggle but have not yet researched which model to use.

Technical Part

For the technical aspect, I will demonstrate how I collected the data and used it appropriately in the model. I will present the collected data visually to ensure the target user can understand it. For the model, I will use a pre-existing one and train it to predict song hits by conducting multiple tests. Based on this approach, I will fulfill learning outcomes 3, 4, and 5.

Contextual Part

For the contextual aspect, I have considered the societal impact. On the positive side, it can help new artists refine their songs to increase their chances of becoming hits. However, a potential downside is that new artists might rely too much on it and lose their creativity in developing unique music. Additionally, my personal challenge includes problems I need to solve, such as defining what makes a song a hit. All challenges I face during this process will be documented in a report. With this, I will fulfill learning outcomes 1, 2, and 6.

Personal Goal

My personal goal is to learn the basics of how an AI model works, including the process of providing it with data and how it will use that data in a practical way. This will help me understand the fundamental concepts needed to implement an AI model in my own applications or future company projects, giving me a solid starting point in my software development.