**Data Visualization Proposal**

**Title: Music Genres Effects on Anxiety, Depression, and Insomnia**

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**Objective:**  
Develop an interactive dashboard to visualize the effects music has on Anxiety, Depression and Insomnia and whether or not individual’s had an improved or unimproved mood due to the effects of listening to music.

**Scope:**

* **Data Sources:** Genres database, SQL system.
* **Target Audience:** Public, Classmates.
* **Visualizations:** Interactive bar charts, line graphs, HTML dropdown

**Methodology:**

* **Data Preparation:** Extract and clean data from SQLite database.
* **Design:** Create user-friendly, interactive visualizations using:
  + **Python: hvplot**, Bokeh
  + JavaScript: Plotly, Python
* **Tools:**
  + Python and JavaScript for visualization
  + SQLite for data extraction.

**Timeline:**

* **Planning:** 2 days
* **Development:** 4 days
* **Testing: 2 days**
* **Deployment:** 1 day
* **Completion Date:** September 17, 2024

**Deliverables:**

* **Dashboard:** Interactive genre dashboard.
* **Documentation:** User guide
* **Reports:** Genre mental health.

**Success Metrics:**

* **Criteria:** User satisfaction, data accuracy
* **Feedback: Graded** performance review