

# **Emotional Trends in Popular Music and U.S. Economic Conditions**

Jeremy Han, Tianyu Zhao, Junyi (Daniel Tang), Hillary Metcheke, Bryce Grover

## **1 Abstract**

## **2 Introduction**

## **3 Related Work**

## **4 Data**

### **4.0.1 Data Collection**

### **4.0.2 Data Preprocessing**

## **5 Research Questions**

## **6 Hypothesis Testing**

## **7 Time Series Analysis**

## **8 Conclusion**

### **8.1 Key Findings**

### **8.2 Limitations**

### **8.3 Future Directions**

## **9 References**

[1] Dehghani, M., Gouws, S., Vinyals, O., Uszkoreit, J., & Kaiser, Ł. (2018). Universal Transformers. *arXiv preprint arXiv:1807.03819*.