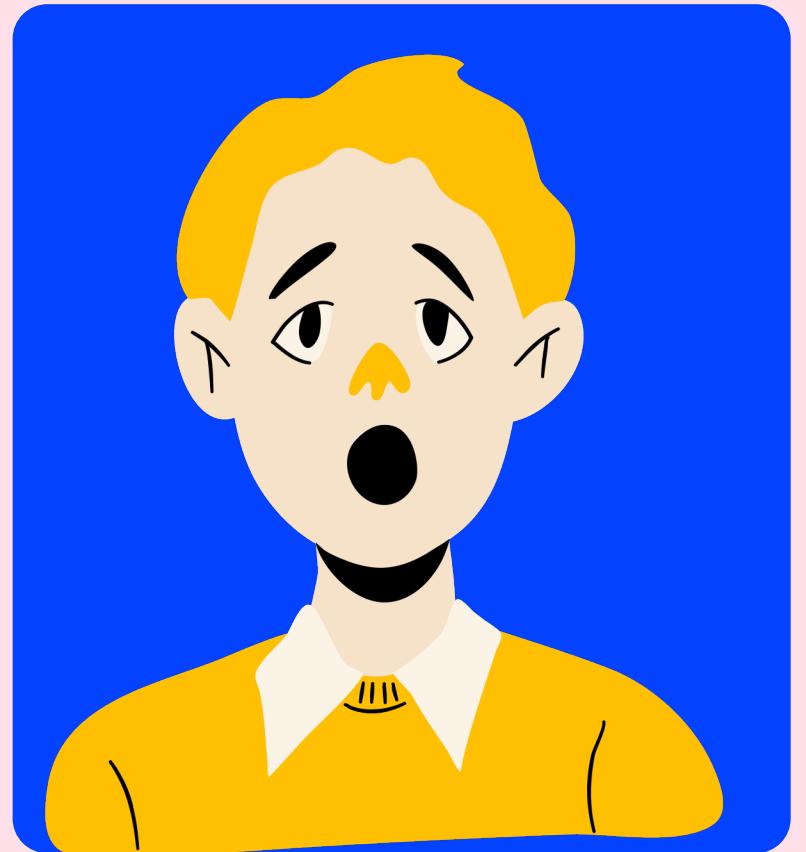


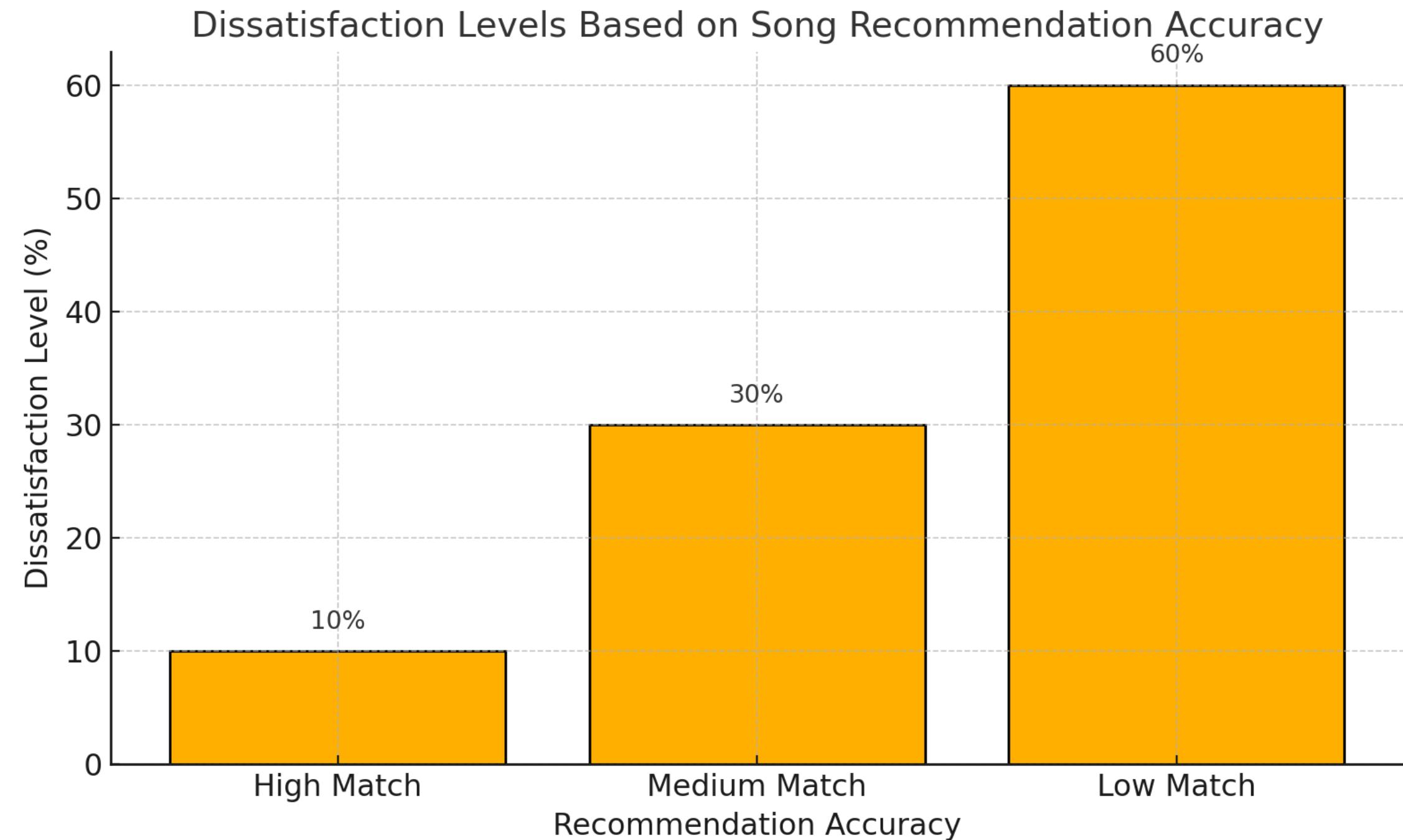
Experience Your Own Music

Mood Detection and Song
Recommendation

Jeesoo Jhun



Why Mood-Based Music Recommendation?

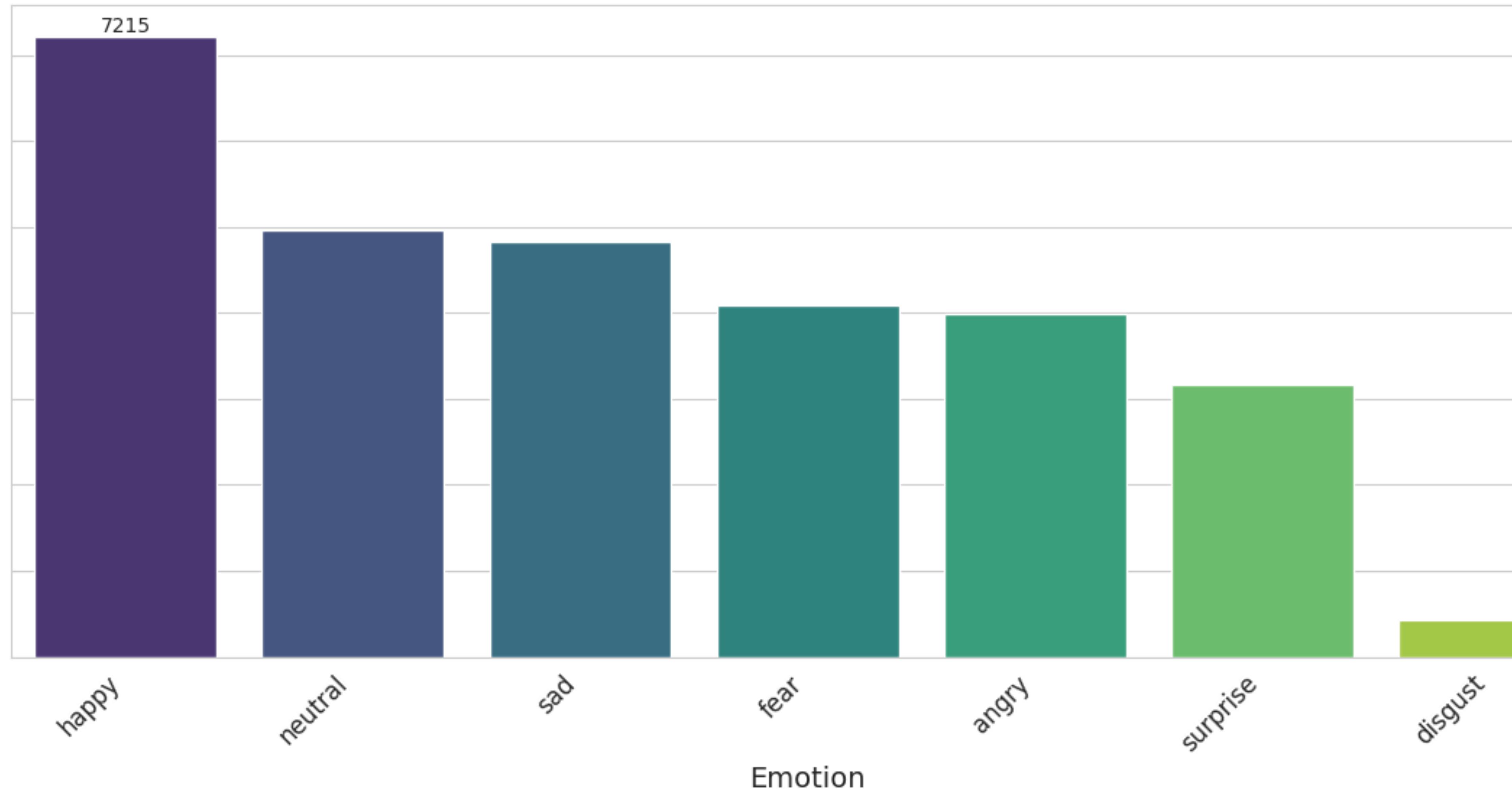


Bau, Y., Mohd Reza, P. A. E., & Lee, K.-C. (2024). Developing and comparing machine learning algorithms for music recommendation. *JOIV: International Journal on Informatics Visualization*, 8(3-2), 2002–2012. <https://doi.org/10.62527/joiv.8.3-2.2947>

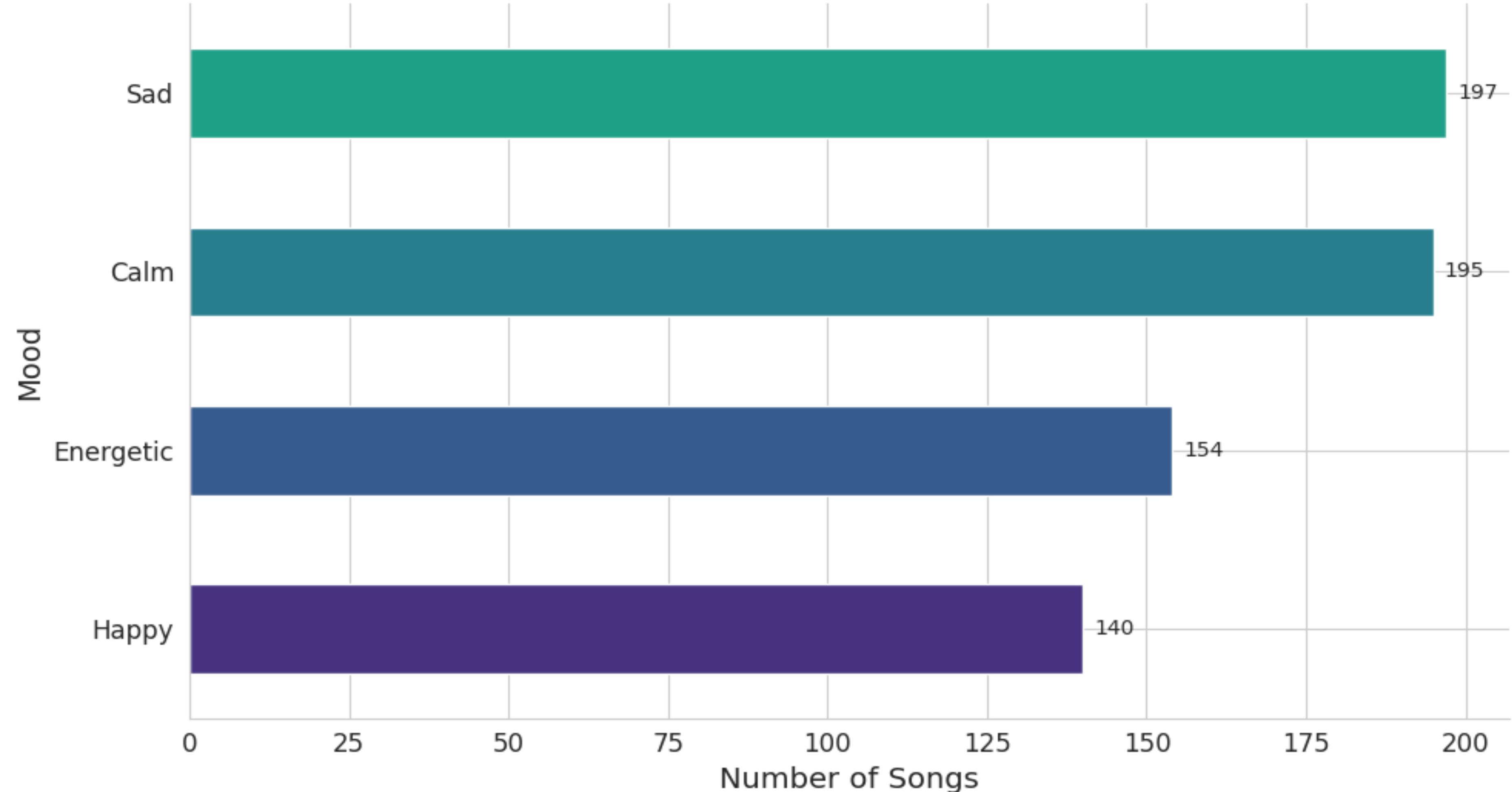


kaggle™

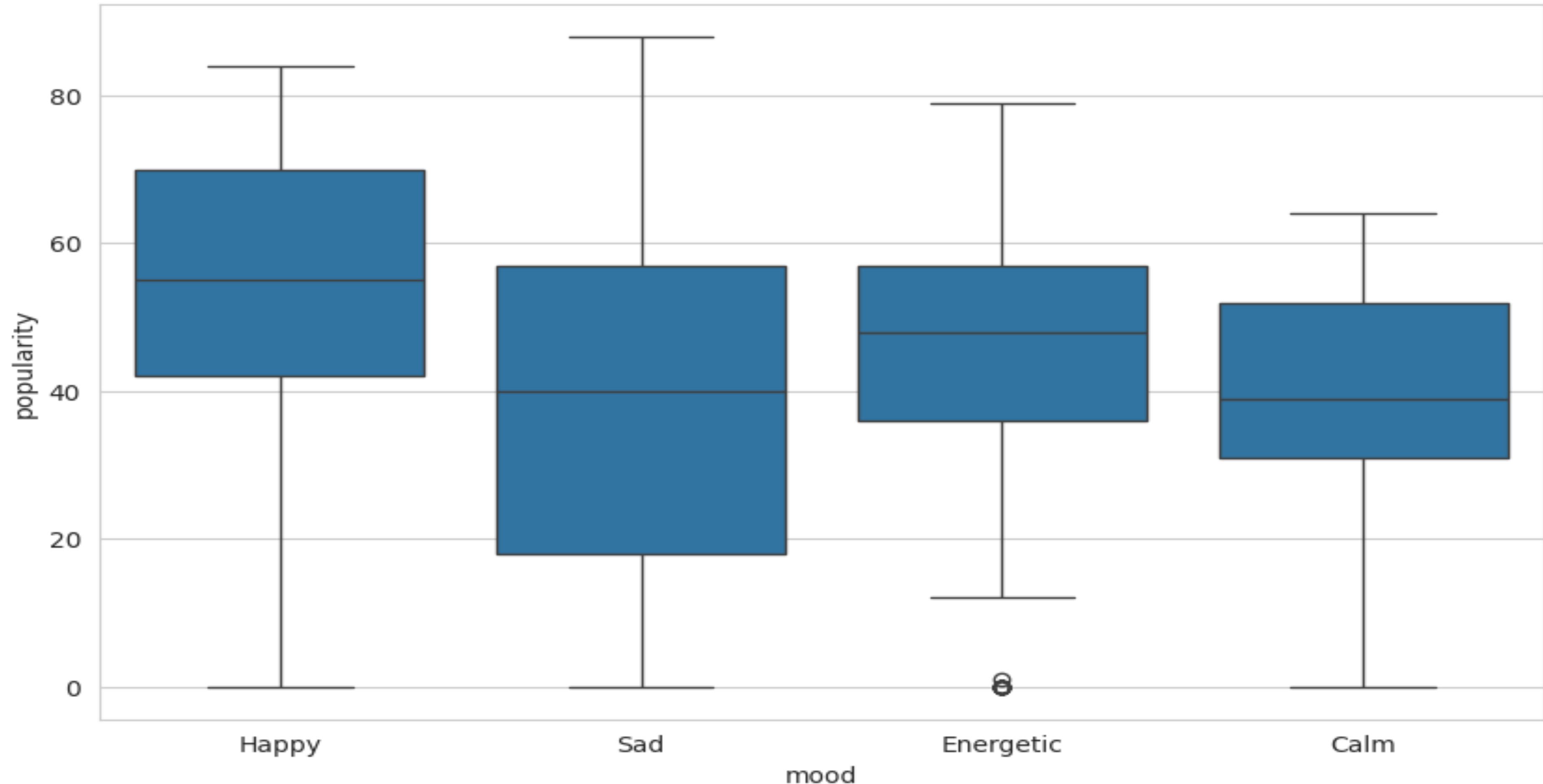
Distribution of Emotion Classes (Train Set)



Distribution of Moods in Music Dataset



Popularity Distribution Across Moods



CNN

64.63 %

ResNet50V2

66.91%

EmoDjinn Music Recommender

Emotion Detector



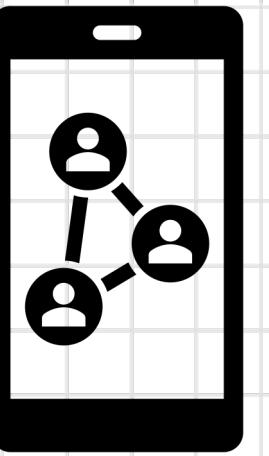
Recommended Songs

Name	Artist	Artist
Leave The Door Open	Love The Pain Deceit	Steve Hix
Home	Faygo's Ding Dong Delivery	BTG
January (You're Coming)	Heavy Knitting	Paul Kite
Was the Moon Your Lasso	Over the River Head (LDRH)	Steve Lee
Perfume	4 (Dynam)	Ed Sherman
Smile Like Me	WAVES (WAVES ME)	Wells Street

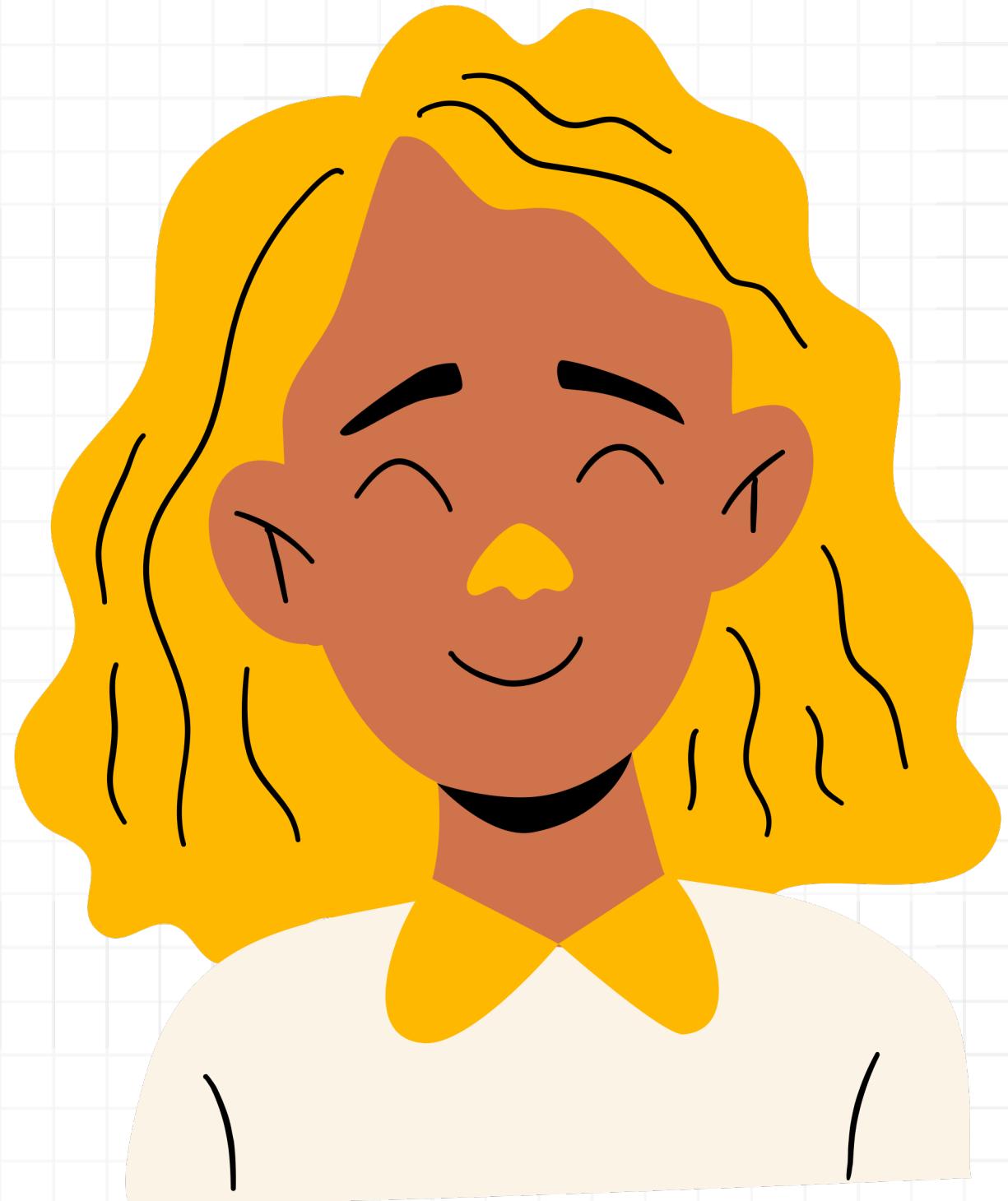


Future Potential and Closing Thoughts

Conclusion



**Mental health
Smart devices
Personal assistants**



Thank You!

Jeesoo Jhun

