

# Exploring Students' Emotions in Educational Assessment: An Empirical Study Using Social Media Data

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## Abstract

This study examined 17,883 posts from Singapore’s “r/SGExams” subreddit to explore the full range of emotions students express about educational assessments. Using control-value theory and an 11-category emotion framework, researchers found anxiety to be most common, with hope, joy, and hopelessness also prevalent. Negative emotions clustered around poor results, while positive emotions co-occurred in confident or satisfied contexts. Hope emerged as a key buffer against negative feelings, and relaxation sometimes helped regulate anxiety—though its effect weakened when boredom was present. The findings highlight the complex interplay of emotions in assessments and point to strategies, such as relaxation techniques, to support students’ emotional regulation.

## Introduction

The intersection between assessment and student emotions remains under-examined, despite increasing scholarly attention to emotional experiences in education. Existing literature has primarily focused on singular emotions, such as anxiety, in relation to assessment [1], leaving a gap in understanding the broader emotional landscape students navigate during assessment events [2, 3, 4]. This study addresses that gap by empirically examining students’ emotional expressions concerning assessment through large-scale data drawn from social media.

## Results & Discussion

Below are the results for each assessment weightage – see Figure 2.

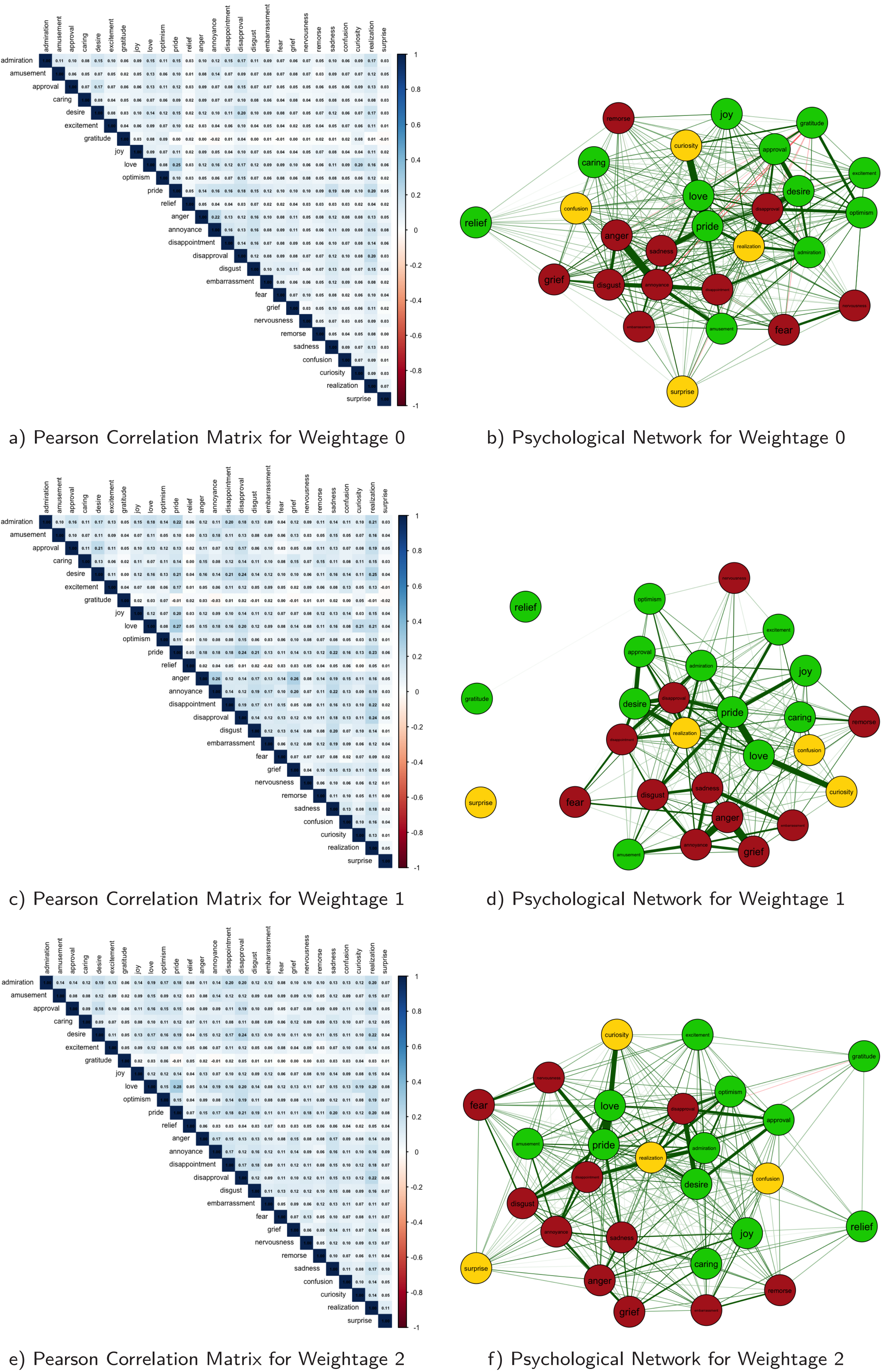
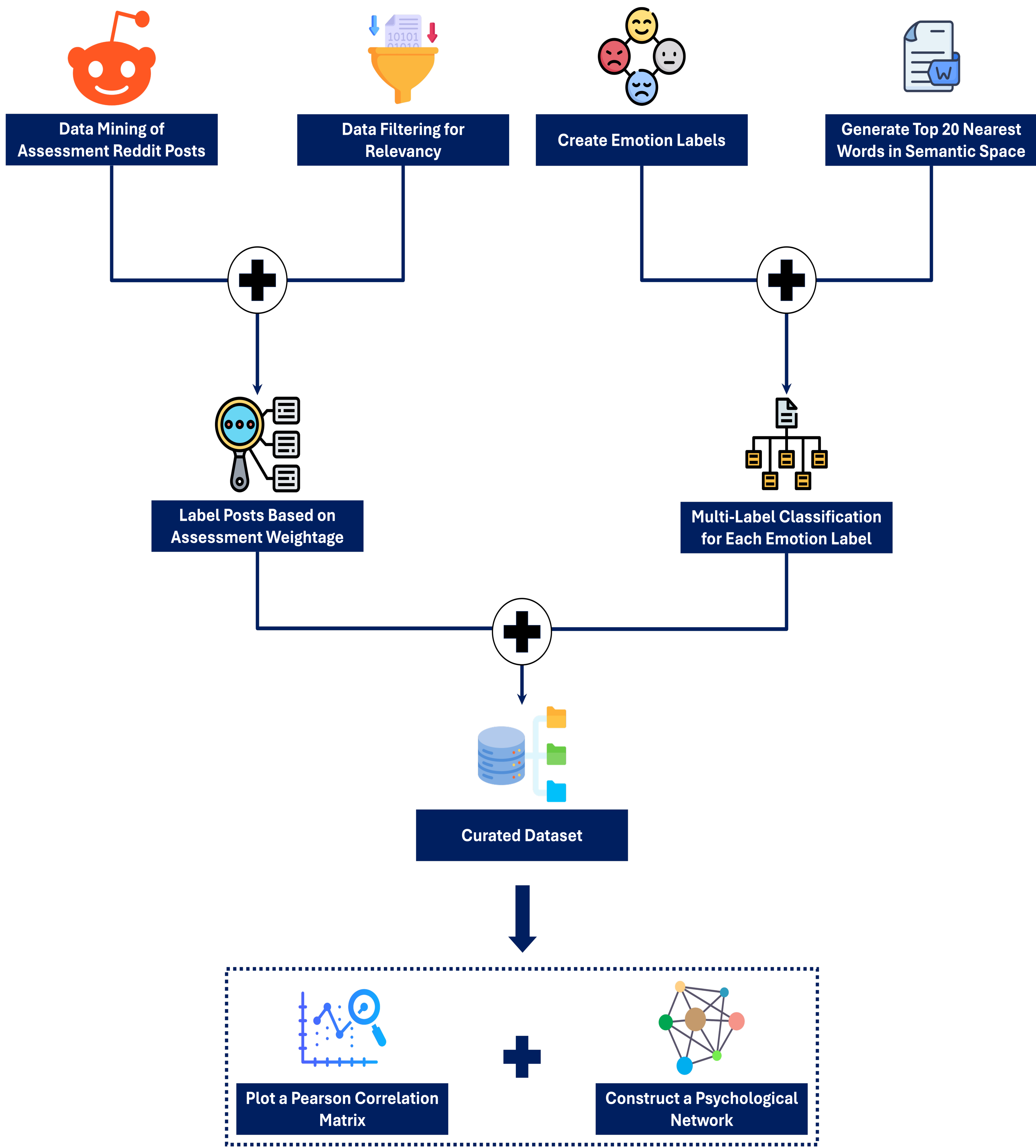


Figure 2: Results for each Assessment Weightage

Our findings have shown that as the assessment stakes got higher, students expressed more negative emotions on the fairness of assessment. When the stakes are low, positive emotions are present and negative emotions are strongly connected. As the stakes got higher, negative emotions became more tightly interconnected (realization-disapproval, anger-grief, etc).

## Methodology



## Conclusion

1. Network analysis of Reddit Posts revealed interconnected emotions for different assessment weightages.
2. Different range of emotion indicates different students’ perceptions on fairness in assessment
3. Perceived fairness is closely linked to emotional responses, which can impact academic performance and well-being

## References

[1] Moshe Zeidner. Test anxiety: The state of the art. 1998.

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[3] Jinjing Fang, Gavin TL Brown, and Richard Hamilton. Changes in chinese students’ academic emotions after examinations: Pride in success, shame in failure, and self-loathing in comparison. *British Journal of Educational Psychology*, 93(1):245–261, 2023.

[4] Rob Wass, Julie Timmermans, Tony Harland, and Angela McLean. Annoyance and frustration: Emotional responses to being assessed in higher education. *Active Learning in Higher Education*, 21(3):189–201, 2020.