The Joint predictive effects of Teachers’ Enjoyment, Anxiety, and Boredom on Students’ Enjoyment in Higher Education Settings

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ABSTRACT

The flourishing of positive psychology (PP) in education has shifted the focus to the role of neglected emotions (e.g., enjoyment, boredom, hope). Yet, studies about how teachers’ emotions are combined and have joint effects in predicting students’ emotions are hardly available. The current study aimed to investigate the relationship between student-perceived teacher enjoyment (PTE), anxiety (PTA), and boredom (PTB) and students’ self-reported enjoyment (SE). As such, how the three perceived teacher emotions jointly predict SE was also investigated. A total of 760 university students (Mage = 21.07, SD = 3.59), enrolled in a public university in Morocco, participated in this study through completing an anonymous questionnaire. Statistical analyses (correlation and regression) showed that PTE and PTB were found to be the only significant predictors of SE. They contributed uniquely and significantly to the overall model, which explained 9% (R2 = 0.9) of the variance in the outcome variable (SE). The effect of PTB was increased within the regression model compared to the independent effect. This is interpreted as a demonstration of the positive emotional crossover from teachers to students. Furthermore, PTA did not emerge as a significant predictor for SE. Implications for future research and educational practice are discussed.

INTRODUCTION

The topic of emotions has largely been left in the shadows with the exception of anxiety which has been extensively studied in education (Dewaele & Li, 2020; MacIntyre, 2017; Teimouri et al., 2019). In this regard, Swain (2013) pinpointed that “emotions are the elephants in the room – poorly studied, poorly understood, seen as inferior to rational thought” (p. 195). Yet, since the emergence of PP, emotions has been attracting academic interest, triggering a surge of interest among researchers, and prompting a more in-depth exploration of positive emotions. This marked a significant shift in psychology’s focus, moving beyond merely addressing life’s challenges to actively cultivating the most enriching aspects of human experience. The aim was to foster a fresh perspective on the subject matter (Seligman, 2018). The introduction of PP into applied linguistic research revolutionized the field by shifting the focus into the important role of neglected positive emotions (e.g., enjoyment, joy, pride, love and hope) and negative emotions (e.g., boredom, shame, anger) (see Dewaele & MacIntyre, 2014; Kruk & Zawodniak, 2018; Putwain et al., 2018; MacIntyre et al., 2019; MacIntyre & Vince, 2017; Boudreau et al., 2018; Teimouri, 2018; Amiri & El Karfa, 2023). Since the turn of the third millennium, few studies investigated the joint predictive effects of teachers’ enjoyment, anxiety and boredom on students’ emotions, academic achievement and motivation (e.g., Alberth, 2022; Joelle et al., 2008; Li et al., 2019; Amiri et al., 2023; Jin & Zhang, 2018). However, research on how the three aforementioned teachers’ emotions jointly predict students’ enjoyment is hardly available. Given this, such study may make a noteworthy contribution to the scarcity of empirical research on the role of teachers’ emotions in different contexts. The current study aims at investigating the independent and joint predictive effects of PTE, PTA, and PTB on SE in higher education settings.

LITERATURE REVIEW

Positive Psychology in Education

Needless to say that cognitive research has been the core focus of applied linguistics research, relegating the exploration of emotions to a secondary position. It is until recently, particularly around the start of the third millennium, that scholars have started to show interest in investigating positive and negative emotions within teaching and learning processes. Despite extensive investigations into anxiety and its various roles in the classroom setting, other aspects of this subject have been largely overlooked and remain relatively under-researched (Dewaele & Li, 2020). Over the past decade, there has been a growing fascination with emotions, particularly in educational environments where both students and teachers experience a wide range of positive and negative emotions. Numerous studies have emerged in prominent psychology journals since Seligman and Csikszentmihalyi’s (2000) groundbreaking special issue of American Psychologist on PP. It is worth noting that PP has received considerable attention in educational contexts, but positive emotions have largely been overlooked. However, in recent years, there has been a significant increase in research, resulting in a substantial body of literature that provides valuable insights. The introduction of PP, along with its underlying theories like the control-value theory CVT (Pekrun, 2006; Pekrun et al., 2007) and the broaden-and-build theory of

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emotions (Fredrickson, 2001, 2003, 2006), into applied linguistics sparked researchers’ interest in examining positive emotions (e.g., enjoyment, hope, joy, happiness) more comprehensively. Consequently, psychology has shifted its focus from solely addressing life’s challenges to fostering the best aspects of existence, ultimately seeking a fresh understanding of this matter.

**Teachers’ Enjoyment, Anxiety and Boredom**

In recent years, there has been a growing fascination with the examination of achievement emotions, largely attributed to Pekrun’s development of the CVT in 2006. The CVT represents one of the most extensively studied theoretical frameworks concerning achievement emotions, focusing exclusively on academic emotions and achievement settings within a three-dimensional taxonomy. The insights derived from the CVT have shed light on the substantial influence emotions have on students’ learning, performance, engagement, and even their personality development. As a result, a diverse range of emotions such as enjoyment, anxiety, and boredom, have captured the attention of academics in various educational contexts, including pedagogical, linguistic, cultural, and social aspects. Consequently, a noticeable increase in researchers exploring emotions in educational environments has occurred, as the learning environment’s impact on students’ academic achievement is widely acknowledged (Amiri & Elkarfa, 2021).

It is worth noting that several researchers (e.g. Kruk et al., 2022; Derakhshan et al., 2022; Dewaele & MacIntyre, 2016; Boudreau et al., 2018; Putwain et al., 2018) have extensively examined three academic emotions, namely enjoyment, anxiety, and boredom. Their influential contributions have triggered an “emotional turn” and kindled the interest of other researchers in the field, leading to broader discussions on the significance of various academic emotions explored through different frameworks (Dewaele & Li, 2020). However, studies on the joint predictive effects of teachers’ enjoyment, anxiety and boredom on students’ emotions are scarce. It should be stated here that the previously mentioned emotions are three of the frequently experienced emotions in academic context (Goetz et al., 2007; see Li & Wei, 2022; Tsang & Dewaele, 2023).

**Enjoyment**

Within general psychology, enjoyment received relatively little attention in research (Dewaele & MacIntyre, 2016). However, with the rise of PP and the broaden-and-build theory, numerous scholars have directed their focus towards this topic (Dewaele & Alfawzan, 2018). Enjoyment is considered a pleasant activating positive emotion (Fredrickson & Cohn, 2008; Frenzel et al., 2007), particularly among teachers (Sutton & Wheatley, 2003). Importantly, several researchers, such as Izard (1977), Plutchik (1980), and Ekman Scherer (1982), have classified enjoyment as a basic emotion.

In order to fully grasp the concept, Csikszentmihalyi (2008) distinguished between enjoyment and pleasure. They stressed that pleasure refers to the contentment experienced from fulfilling routine and biological needs, like food, rest, sleep, and sex. It is associated with satisfying basic desires. On the other hand, enjoyment, which is an essential component of flow experiences, surpasses planned, expected, or imagined experiences. It emerges after enjoyable events and is not dependent on routine needs, making it more enduring compared to pleasure.

Moreover, the CVT posits that enjoyment can foster more creative approaches among students, as greater enjoyment is linked to higher achievement. Considering the reciprocal relationship between academic achievement and academic emotions, creating an atmosphere that cultivates greater enjoyment becomes crucial for academic success.

**Anxiety**

Notably, anxiety is the most extensively studied emotion in the realm of second and foreign language learning (Dewaele & MacIntyre, 2014; MacIntyre, 2017; Boudreau et al., 2018). In the context of language learning and teaching, anxiety can be described as “the feeling of tension and apprehension specific to second language situations, including speaking, listening, and learning” (MacIntyre & Gardner, 1994, p.284). It encompasses negative emotional states and worries (MacIntyre, 1999), making it a psychological concern (Spielberger, 1983) that often arises during second language acquisition. The significance of anxiety in teaching and learning became evident with the influential work of Horwitz et al. (1986), who developed a well-known scale for its measurement. Furthermore, anxiety has been found to exert influence over other essential skills like motivation and self-esteem, consequently affecting students’ proficiency (Crookall & Oxford, 1991). In summary, for the vast majority of students, anxiety proves to be a hindrance to academic achievement.

**Boredom**

Academic boredom is a prevalent emotion commonly encountered in educational settings (Li, 2021; Amiri et al., 2022). The definition of boredom poses a challenge, as scholars in the field hold divergent views on its general meaning. Some consider it to be related to underlying mental processes (Eastwood et al., 2012), while others associate it with disengagement and attention deficit (Fahlman, 2009) when individuals experience it. This negative emotion can have detrimental effects on psychological vigilance (Pekrun et al., 2010) and leads to decreased interest and concentration (Nett et al., 2010) during specific activities or tasks.

Significantly, Putwain et al. (2018) distinguish between trait boredom and state boredom. The former is regarded as an intrinsic aspect of human nature, while the latter is considered a situational and momentary experience. In the context of foreign language learning, trait boredom is experienced when learners perceive the environment
as lacking stimulation and engagement (Bench & Lench, 2013). According to CVT, academic boredom and academic achievement share a reciprocal relationship, where lower performance and success correspond to greater levels of boredom.

**Emotional Contagion Process and Mechanisms**

Emotional contagion refers to the “process in which a person or group influences the emotions or behavior of another person or group through the conscious or unconscious induction of emotion states and behavioral attitudes” (Schoenewolf, 1990, p. 50). As such, crossover theory, in its original conceptualization, looked at the consequences of work-related stress and pressure on other people (e.g. Bolger et al, 1989). This study was the first to give direct quantitative evidence of stress contagion among married couples. Both work-to-home and home-to-work contagion have been demonstrated in the study. It is until recently that such a theory has developed to cover both positive and negative emotions including well-being, joy, flow, sadness, depression, and anger (Becker et al., 2014).

Although some studies on emotional crossover processes contributed to bringing the topic to academic contexts, it is still largely overlooked. In his study, Bakker (2005) investigated flow among 178 music teachers and 605 of their students. The study yielded that flow is contagious; the higher the frequency of such experiences among their students, the more flow experiences music teachers reported. Students in fact tend to imitate their happy and cheerful teachers. In a similar vein, Moskowitz & Dewaele (2021) investigated the crossover of happiness from teachers to students. They used an online questionnaire to collect data from 129 adult students. They were asked how they perceive teacher happiness and the impact of their perception on their own motivation and attitudes. The results of statistical analyses showed that students’ perceptions of different aspects of teachers’ happiness correlate positively with their motivation and overall attitude (positive emotional contagion).

Interestingly, in the literature, three main mechanisms underlying the emotional crossover phenomena have been proposed. In their article “The importance of teachers’ emotions and instructional behavior for their students’ emotions - An experience sampling analysis”, Becker et al. (2014) shed some light on these mechanisms stating that emotions may be captured in a variety of ways. First, emotional contagion could be automatic, uncontrollable and unconscious. This mechanism was proposed by Hatfield et al. (1992) and is referred to as primitive emotional contagion. It refers to the “tendency to automatically mimic and synchronize facial expressions, vocalizations, postures, and movements with those of another person and, consequently, to converge emotionally” (Hatfield et al., 1994, p. 5). Hatfield and her colleagues provided considerable evidence to support their proposition. They stated that because of such facial, verbal, and postural input, people tend to (a) imitate the facial expressions, voice expressions, and postures of others around them, and (b) “catch” other peoples’ emotions. The majority of this imitation occurs without any conscious or purposeful thinking. They argued that some kinds of emotional contagion are the product of even more basic associative processes; people can catch other people’s emotions if their answers trigger an unconditioned emotional reaction in them (unconditioned emotional response). People constantly replicate and coordinate their movements with the facial expressions, postures, voices, and instrumental actions of others when they are conversing. Importantly, they claimed that one or more of the following factors might have an impact on people’s emotional experiences. The first factor is the central nervous system commands that direct such imitation/occurrence. The second has to do with the afferent feedback from such verbal postural, facial, or imitation/synchrony. The third is the self-perception procedures in which people infer their own emotional state from the emotional displays and actions elicited by another person’s emotional condition.

Furthermore, Westman and Vinokur (1998) proposed the second mechanism that shows that crossover processes might be explained by empathy on the receiver’s part. Sympathetic reactions can occur in the transfer of emotions, stress, or well-being since interaction partners generally know each other well. Moreover, conscious emotional contagion is a third mechanism in crossover processes. Unlike primitive emotional contagion, conscious emotional contagion focuses intensively on social comparison processes in which individuals actively seek for emotions as a sort of social data (Hennig-Thurau et al., 2006). It entails intentionally seeking out emotions in order to gather social knowledge. For instance, People who are attending their first opera and are unsure of what emotions are suitable may notice how others display their emotions and tend to use them as clues for their own conduct (Becker et al., 2014).

**Research questions**

RQ1. What are perceived teachers’ levels of enjoyment, anxiety, and boredom during classes?

RQ2. What are the independent effects of PTE, PTA, and PTB on SE in higher education settings?

RQ3. What are the joint predictive effects of PTE, PTA, and PTB on SE in higher education settings?

**METHODOLODY**

Participants

A total of 760 university students participated in this study. They were enrolled in a public University, Morocco, at the time of the study. There were 313 (41.2 %) males, 426 (56.1 %) were females, 20 (2.6 %) preferred not to say, and one (0.1 %) missing. The average age was 21.07 (SD = 3.59). They were from five different disciplines. A total of 600 participants were from English Studies, while the rest were from Applied Linguistics (39), Translation Studies (49), Cultural Studies (20), and Language, Communication and Society (52). They were asked and
instructed to fill an anonymous questionnaire with three main sections, including TPE, TPA, TPR, and SE.

**Instrument**

The main questionnaire that was adopted to measure the independent and dependent variables was comprised of four sections. The first part was devoted to collect basic demographic data including age, gender, grade, and major. The second section comprised an adapted version of the short version of the Achievement Emotions Questionnaire (AEQ-S) (Bieleke et al., 2021) that was used to assess PTE, PTA, and PTB. The items in this scale consist of six affirmative statements with five response options ranging from “1. Always” to “5. Never”. The scale measured three achievement emotions experienced during class: enjoyment (2 items; e.g., My teachers probably enjoy being in class) anxiety (2 items; e.g., My teachers feel nervous in class), and boredom (2 items; e.g., My teachers probably get bored). As such, to assess students’ academic emotions of enjoyment (dependent variable), the class-related emotions items of the AEQ-S were used (two items). Student participants were instructed to indicate how they feel during classes. The items in this scale consist of two affirmative statements (see appendix A) with five response options ranging from “1. Always” to “5. Never”. The scale assessed SE experienced during class (1 enjoy being in class and I enjoy participating so much that I get energized). Two questionnaires were disregarded and excluded as they were not properly completed.

**Data Analysis**

The data obtained from 760 university students using questionnaires were analyzed, through conducting Pearson correlation and multiple regression analyses, to address the RQ2 and RQ3 using Statistical Package for the Social Sciences 26.0 (SPSS) software package. A regression analysis with PTE, PTA, and PTB as independent variables and SE as the dependent variable was performed. The purpose of such equation modeling was to examine the intricate connection between the dependent and independent variables and determine the combined predictive effect of the three perceived teacher emotions on students’ SE. In order to achieve this objective, PTE, PTA, and PTB were simultaneously incorporated into a single regression model to predict students’ SE. Besides, an examination of quantitative data was conducted, involving the inspection of data to perform a descriptive analysis of the fundamental features of the data (Creswell & Plano Clark, 2018). To address the RQ1, Descriptive statistics (means, standard deviation, minimum and maximum and variance) were determined for all study variables. Normality tests were also calculated. Histograms and Q-Q plots showed normal distribution for all study variables.

**RESULTS AND DISCUSSIONS**

**Descriptive Statistics**

To address RQ1, the issue was explored through looking at the means of the study variables, as shown in Table 1 below. Based on the findings presented in table 1, overall means revealed that participants, across all subjects, generally expressed high levels of enjoyment (M = 2.10, SD = 0.80), and rarely experienced anxiety M = 3.80 (SD = 0.80) and boredom M= 3.83 (SD = 0.81). As such, students also generally reported strong levels of enjoyment M = 2.15 (SD = 0.81).

<table>
<thead>
<tr>
<th>Study variables</th>
<th>N</th>
<th>Min</th>
<th>Max</th>
<th>M</th>
<th>SD</th>
<th>Var</th>
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</thead>
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<td>PTE</td>
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<td>5.00</td>
<td>2.10</td>
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<td>.64</td>
</tr>
<tr>
<td>PTA</td>
<td>760</td>
<td>1.00</td>
<td>5.00</td>
<td>3.80</td>
<td>.80</td>
<td>.64</td>
</tr>
<tr>
<td>PTB</td>
<td>760</td>
<td>1.00</td>
<td>5.00</td>
<td>3.83</td>
<td>.88</td>
<td>.77</td>
</tr>
<tr>
<td>SE</td>
<td>760</td>
<td>1.00</td>
<td>5.00</td>
<td>2.15</td>
<td>.86</td>
<td>.75</td>
</tr>
<tr>
<td>Valid N (listwise)</td>
<td>760</td>
<td></td>
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</tr>
</tbody>
</table>

To assess the association among study variables, a Pearson product-moment correlation analysis was performed. Additionally, a multiple linear regression analysis was conducted, with SE as the dependent variable and PTE, PTA, and PTB as the independent variables. Correlation between perceived teacher enjoyment, anxiety, boredom and students’ self-reported enjoyment Table 2 below is the correlation matrix that shows a list of correlation coefficients for every combination between independent variables (PTE, PTA, and PTB) and the dependent variable (SE). PTE was positively and significantly related to SE, r(756) = .29, p < .01. As such, Surprisingly, PTA and SE correlation was not statistically significant, and thus might have occurred by chance r(756) = -.10, p = .17. In addition, as expected, a significant negative correlation was identified between PTB and SE: r(756) = -.17, p < .01.

**Regression of Students’ Enjoyment on Perceived Teacher’s Enjoyment, Anxiety And Boredom**

Tolerance hover between .78 and .90 and Variance Inflation Factor (VIF), which detects multi-collinearity (correlation

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Note. **Correlation is significant at the 0.01 level (2-tailed).**
between predictors in a model) in regression ranges from 1.11 to 1.28, which does not exceed the problematic amount cutting off point of 5 (Chatterjee & Simonoff, 2013; James et al., 2013; O'Brien, 2007). This suggests that there was a small amount of collinearity among the predictors, which increased the reliability of regression results. As such, the model was significant, $F(3, 756) = 24.61, p < .001$, explaining 9% ($R^2 = .9$) of the variance in the outcome variable (Students’ enjoyment). It should be noted also that perceived teacher enjoyment ($\beta = .27$, $t = 7.02, p < .001$) and boredom ($\beta = -.08, t = -2.07, p < .001$) were the only predictors that contributed uniquely and significantly to the model. Perceived teacher’s anxiety, on the other hand, was not a significant predictor ($\beta = .05$, $t = 1.38, p = .17$) (See table 3 above). Put it differently, Perceived-teacher anxiety offered nothing uniquely in terms of predicting students’ enjoyment.

### Dependent Variable: Students’ Enjoyment

In addition, a Durbin Watson (DW) statistic test for autocorrelation was 1.89, which suggested that DW test values are not cause for concern, and thus indicating no autocorrelation in the regression model. Furthermore, a scatterplot (figure 3) was created to examine the assumption of constant variance (homoscedasticity) of the residuals, or error term. A roughly rectangular distribution with most of the scores were clustered in the center, which indicated no violation of linearity assumption. That is, while the value of the predictor variables varies, the error term does not change significantly. A P-P plot indicated a normal distribution of the residual value (figure 2).

### DISCUSSION

The first RQ addressed PTE, PTA, PTB and SE levels. Consistent with our expectation, results showed that both teachers and students experienced a high level of enjoyment $M = 2.10$ (SD = 0.80) and $M = 2.15$ (SD = 0.86) for teachers and students respectively. As such, teachers rarely experienced anxiety ($M = 3.80$, SD = 0.80) and boredom ($M = 3.58$, SD = 0.80). Furthermore, Building upon previous studies (e.g., Jiang & Dewaele, 2019; Li, 2021; Li & Dewaele, 2021) that have consistently found a higher prevalence of positive emotions compared to negative emotions among teachers and students in academic environments, the current research further substantiates this trend and offers valuable insights into the prevalence of both positive and negative emotions. The second RQ dealt with the independent effects of PTE, PTA, and PTB on SE in higher education settings. Our findings revealed that PTE and PTB were significantly linked to SE, while PTA had no significant effect on SE. Consistence with previous research (see Bakker, 2005; Frenzel et al., 2009; Frenzel et al., 2018; Moskowitz...
& Dewaele, 2021; Talehzadeh et al., 2020), teachers’ emotions were found to be contagious and thus affect students’ emotions and their academic achievement. This indicates that students who perceived their teachers as enjoying their classes tended to experience enjoyment in the classroom more, and students’ perception of teachers as bored had detrimental effects on their enjoyment during classes.

The third RQ concerned the combined predictive effects of PTE, PTA, and PTB on TEI. When the multiple regression analyses used to predict the dependent variable (SE) was conducted, the effect of PTE remained at a medium size and was much larger than that of PTB, suggesting that SE was more predicted by PTE than by PTB. As such, the effect of PTB was increased within the regression model compared to the independent effect. PTA was found to be insignificant. This indicates that SE may be more subject to teachers’ positive emotions than negative emotions. Yet, PTB may have detrimental effects to students’ overall well-being and academic achievement. Importantly, previous studies (e.g., Li & Han, 2022; Dewaele, 2021; Dewaele et al., 2022) revealed different results when it comes to predicting students’ proficiency.

For example, Dewaele et al. (2022) investigated the effect of enjoyment, anxiety and boredom on students’ proficiency. They found that anxiety was the only predictor of proficiency, while enjoyment predicted nothing unique within the model. Having said that, Dewaele (2021) concluded that both anxiety and enjoyment significantly and uniquely predicted proficiency. This suggests that different variables (e.g., age, culture, gender) interfere in determining the linearity between emotions and other variables.

Taken together, the findings imply that establishing clear boundaries in the emotional relationship between teachers and students is vital for fostering a positive and personal relationship in the classroom. The emotional boundaries of teachers are highly sensitive and necessitate their active involvement in creating a safe environment that promotes emotional well-being (Aultman et al., 2009). This involves implementing suitable norms and standards to guide their interactions (Shutz, 2014).

Limitations and Future Directions

Undoubtedly, the outcomes of this study have significantly added to the limited body of empirical research concerning the examined matter, effectively addressing a crucial gap in the existing literature on teacher-student emotions. Alongside the valuable theoretical and practical implications, it is important to acknowledge certain limitations that can guide future investigations. To begin with, instead of examining emotions specific to particular subjects, this study focused on assessing generalized emotional traits, thereby overlooking the assumption of domain specificity in academic emotions as proposed by Goetz et al. (2007). The participants were drawn from five different disciplines, all of which utilized English as the language of instruction. While the study respected the notion of context-specific emotional effects by conducting it within a single context, it failed to consider the perspective that emotions should be organized in domain-specific ways. Consequently, the study only assessed three academic emotions—enjoyment, anxiety, and boredom—that are highly significant for both students and teachers according to Pekrun et al. (2002). This limitation also implies that the generalizability of the findings may be restricted to these three emotions. In future studies, it would be crucial to include other academic emotions such as anger, hope, and hopelessness in regression models to determine their influence on students’ emotions and the extent to which they account for variances.

Theoretical and Pedagogical Implications

The findings of this study on the links between teachers’ emotions of enjoyment, anxiety and boredom and SE in Moroccan universities revealed several enlightening implications for researchers and practitioners.

Theoretical Implications

The findings of this study have provided valuable insights into the pervasive nature of teachers’ emotions in academic settings and their potential impact on emotional contagion in education. These results contribute to the expanding research on this topic and shed light on previously unexplored aspects, particularly the relationship between students’ and teachers’ emotions and how they mutually influence each other within the classroom. This study’s contribution can aid in the advancement of models and theories concerning the emotional dynamics of teaching and learning, offering fresh perspectives on the subject matter. Furthermore, an important theoretical implication to consider is the formulation and construction of future hypotheses pertaining to the role of teachers’ emotions in predicting students’ emotions. Notably, the analysis and discussion chapters of this study revealed that anxiety did not uniquely or significantly predict outcomes in the four multiple regression models. Thus, it is recommended that future research statistically explore the predictive effects of teachers’ anxiety in diverse educational contexts, across different age groups and disciplines.

Practical Implications

The practical implications of the study findings primarily target teachers, offering actionable insights that can be directly implemented in the classroom to enhance teaching practices and improve student outcomes. The results suggest that in classroom settings, where emotions like enjoyment, anxiety, and boredom coexist, enjoyment emerges as the most influential positive predictor of students’ enjoyment. Placing greater emphasis on cultivating enjoyment becomes a key factor in fostering a more effective teacher-student relationship. This knowledge empowers teachers to develop strategies for effectively managing emotions in the classroom and create a positive and supportive learning environment by
displaying a sense of enjoyment, enthusiasm, and passion during instruction. In this regard, teachers can make informed decisions regarding the adoption of relevant techniques, approaches, and methods that contribute to their professional development and positively affect students’ learning experiences during classroom interactions.

CONCLUSION
The present paper sought to investigate the impact of perceived teacher enjoyment, anxiety, and boredom on students’ enjoyment. The study also explored how PTE, PTA, and PTB SE. The study yielded that teachers generally reported a medium level of enjoyment and a low threshold of anxiety and boredom. As such, the regression model explained 9% (R² = 0.9) of the variance in the outcome variable (students’ self-reported enjoyment), with both PTE and PTB making distinct and significant contributions to the overall model, whereas PTA did not emerge as a significant predictor. Importantly, the influence of teachers’ emotions on students’ academic performance and emotions in higher education is highly significant, there is a considerable lack of research on this subject. Therefore, the current study significantly contributes to addressing the scarcity of empirical investigations concerning the role of teachers’ emotions. Given this, the findings of the current study offer empirical evidence of the independent and joint predictive effect of PTE, PTA, and PTB in shaping SE. The findings provide useful theoretical and practical implications for researchers and practitioners.

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