

Boredom Proneness, Impulsive Decision-Making, and Self-Control: Investigating Their Interconnected Roles

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Abstract

Boredom is a common emotional state that influences human behaviour, decision-making, and self-regulation. Individuals differ in their susceptibility to boredom, and this variation, known as boredom proneness, often affects the way people respond to daily situations. The present study aims to examine the relationship between boredom proneness, impulsive decision-making behaviour, and self-control among young adults. Data from previous empirical studies were reviewed to identify how these psychological factors interact and influence each other. Findings revealed that individuals with high boredom proneness are more likely to engage in impulsive decisions and display lower levels of self-control. High boredom proneness contributes to restlessness, reduced focus, and the tendency to seek immediate gratification. Conversely, individuals with strong self-control demonstrate better emotional regulation and resist impulsive urges. The study highlights the crucial role of self-control as a protective factor that mitigates the negative effects of boredom and impulsivity. There is a growing need to develop structured interventions to strengthen self-regulation and enhance decision-making skills among young adults.

Keywords: Boredom proneness, Impulsive decision making behaviour, Self-control, Young adults

Boredom proneness, impulsive decision-making, and self-control are key psychological traits that influence human behaviour. While boredom increases impulsivity and risk-taking, self-control helps individuals regulate emotions, resist temptations, and make thoughtful, goal-directed decisions in everyday life.

Boredom proneness, impulsive decision-making behaviour, and self-control are interrelated psychological constructs that significantly influence emotional regulation and behaviour. Boredom proneness refers to a persistent tendency to experience boredom, linked to maladaptive behaviours and poor outcomes (Mercer-Lynn et al., 2014). Individuals high in boredom proneness often engage in impulsive decisions to escape monotony or under-stimulation (Dahlen et al., 2004). Impulsivity, marked by acting without adequate thought, is inversely related to self-control, which reflects the ability to regulate one's thoughts, emotions, and actions toward long-term goals (Duckworth & Kern, 2011). Studies suggest low self-control heightens impulsive tendencies, whereas high self-control buffers against boredom's negative effects (Milyavskaya et al., 2019). However, the dynamic interaction among these factors remains underexplored. Understanding this relationship can offer valuable insights into emotional regulation, cognitive control, and behavioural decision-making processes.

The developmental period of childhood and adolescence is crucial for the formation of self-control and

decision-making patterns. During this time, individuals experience rapid cognitive , and emotional growth that shapes their ability to manage boredom and regulate impulses. Environmental factors, including family, peers, school, and digital exposure, significantly influence the development of these traits. Early experiences of under-stimulation, stress, or inconsistent guidance can increase boredom proneness and impulsive behaviour, affecting long-term mental health and behavioural outcomes (Mercer-Lynn et al., 2014; Dahlen et al., 2004). Strengthening self-control during these formative years can reduce maladaptive decision-making and enhance adaptive coping strategies (Duckworth & Kern, 2011).

Aim of the Study

To examine the relationship between Boredom proneness, Impulsive decision making behaviour and Self-control.

Need of the Study

The study is about the boredom proneness, impulsive decision-making, and self-control is essential because these traits significantly influence behavior, mental health, and everyday functioning. Understanding their interplay can help identify individuals at risk of poor decision-making, addictive behaviors, or emotional dysregulation. It also informs interventions to enhance self-control, reduce impulsivity, and improve overall psychological well-being in diverse populations.

Method

Initially, Research Papers were selected, and after proper scrutinizing Empirical Research Papers were reviewed. Articles with only abstracts and with vague results were avoided. Databases like PubMed, PsycINFO, ProQuest Research, Research Gate, Google scholar, and Shodhganga are used.

Results And Discussions

Empirical research papers during the period of 2008–2024 were analyzed. Smith et al. (2020) conducted a study to examine boredom proneness, impulsive decision-making, and self-control among adolescents with varying levels of self-regulation. Adolescents with lower self-control tended to exhibit higher boredom proneness and greater impulsive behaviour compared to those with stronger self-control. Based on these observations, researchers concluded that interventions aiming to enhance self-control could reduce impulsive decision-making and mitigate the negative effects of boredom proneness. Programs should be designed to strengthen self-regulatory skills and support adaptive coping strategies, considering individual differences and environmental factors.

In comparison with individuals with high self-control, those prone to boredom showed significantly higher impulsive decision-making behaviour (Mercer-Lynn et al., 2014). Boredom proneness is defined as a tendency to experience monotony and under-stimulation, which may trigger spontaneous or risky choices. Such individuals often struggle to regulate their impulses, leading to decisions that may have negative consequences. Due to better self-regulatory skills and the ability to engage in goal-directed activities, individuals with high self-control exhibit lower boredom proneness and less impulsivity. They can tolerate routine, delay gratification, and plan actions strategically, reducing the likelihood of rash behaviour. High self-control enables individuals to cope with uninteresting or challenging tasks, maintain focus, and make considered decisions. The interaction between boredom proneness, impulsivity, and self-control explains variations in behavioural responses and decision-making patterns across different contexts.

Individuals high in boredom proneness tend to display elevated impulsive decision-making behaviour and reduced self-control (Isacescu & Weinstein, 2013; Raffaelli et al., 2018). Boredom proneness is defined

as a consistent tendency to experience under-stimulation and dissatisfaction, which may trigger hasty decisions without regard to consequences. Those with stronger self-control show more deliberate decision processes and lower impulsivity, enabling better regulation of boredom-driven urges (van Woerkom et al., 2021). Low self-control and impulsivity amplify the impact of boredom proneness by undermining goal-directed behaviour and facilitating rash action. Research thus indicates that to reduce impulsive outcomes, interventions must focus on strengthening self-control and managing boredom proneness simultaneously. Compared to individuals with high self-control, those with greater boredom proneness demonstrate significantly higher impulsive decision-making tendencies (Yakobi, 2021; Sümer & Büttner, 2022). Boredom proneness is a stable personality trait reflecting a chronic tendency to experience under-stimulation, monotony, and lack of engagement in everyday life. It often results in discomfort and a desire for novel or stimulating activities, which may encourage impulsive or risk-taking behaviours. Individuals with low self-control struggle to tolerate such feelings of restlessness, making them more susceptible to acting without forethought. Research consistently shows that boredom proneness predicts maladaptive behaviours such as substance use, internet addiction, and poor financial or academic decision-making (Isacescu et al., 2021).

Zhang et al. (2023) found that adolescents who score high in self-control are better able to regulate emotions and delay gratification, thereby minimizing the impulsive effects triggered by boredom. Similarly, Sümer and Büttner (2022) emphasized that individuals with stronger self-regulatory abilities engage in constructive coping mechanisms—such as planning and structured goal pursuit—rather than resorting to spontaneous or risky decisions. On the other hand, high boredom-prone individuals display greater susceptibility to distractions and immediate rewards, which weakens goal-directed behaviour and undermines performance consistency (Mugon et al., 2020).

The dynamic relationship between boredom proneness, impulsivity, and self-control suggests an interdependent mechanism: boredom increases impulsive tendencies, while high self-control buffers these effects. Adolescents, in particular, are more vulnerable due to their still-developing executive functions and heightened sensitivity to novelty and reward. Therefore, interventions aimed at improving self-control, emotional regulation, and cognitive engagement can mitigate impulsive decisions arising from boredom. Strengthening attention regulation, mindfulness, and structured activities may reduce chronic boredom, promote goal-oriented behaviour, and enhance long-term psychological well-being (Yakobi, 2021; Zhang et al., 2023).

Adolescents from tribal and non-tribal backgrounds differ significantly in their levels of self-confidence. There are several problems that tribes face, including stigma, discrimination, isolation, helplessness, and a sense of worthlessness. Building self-confidence in them will help them face society's challenges. Besides welfare programs, intervention programs aimed at building the self-confidence of suppressed and marginalized sections of society should be initiated to empower them (Garg, 2017). The study identified low self-esteem as the root cause of most problems among tribal children. In addition to being shy and not maintaining eye contact, the children ran away from outsiders. There was a lack of communication skills among them. In the study, the major observations and findings are that tribal students face stigma and discrimination from their classmates; sometimes they do not receive enough attention from teachers and school authorities. As compared to other sections, tribal students have a high dropout rate. There is a lot of peer pressure and wrong role modeling from parents who consume alcohol in the community.

Adolescents who are highly prone to boredom frequently display elevated levels of impulsive decision-making and reduced self-control, placing them at risk of sub-optimal behavioural outcomes. Trait boredom

proneness is defined as a persistent tendency to experience the world as under-stimulating or unengaging, feeling chronically restless or dissatisfied with available tasks or stimuli. Research by Yakobi (2021) and colleagues found that individuals with high boredom proneness more often engaged in rash or poorly thought-out decisions, seeking immediate stimulation rather than deliberated choices. Moreover, experimental evidence shows that high trait impulsivity is positively linked with self-reported boredom after a monotonous task, suggesting that impulsive individuals may be especially vulnerable to boredom's effects (Clay et al., 2024).

At the same time, self-control — the capacity to regulate one's thoughts, emotions, impulses and behaviours in the service of long-term goals — functions as a key moderator of this interplay. Studies (e.g., Sümer & Büttner, 2022) demonstrate that individuals with stronger self-control are better able to tolerate boredom, resist immediate distractions, and delay gratification. In the study of online procrastination, boredom proneness and low self-control (together with facets of impulsivity) were significant predictors of procrastinatory behaviour involving social media, instant messaging or online shopping. Specifically, higher boredom proneness combined with poor self-control translated into more spontaneous, less reflective decisions.

Putting these findings together, a dynamic model emerges: boredom proneness increases the likelihood of impulsive decision-making because an under-aroused individual seeks stimulation, and if self-control resources are weak or over-taxed, there is less capacity to inhibit impulsive responses. In other words, boredom acts as a trigger, impulsivity as a pathway, and self-control as a gatekeeper. When self-control is high, the link between boredom proneness and impulsivity weakens; when self-control is low, boredom proneness more readily translates to impulsive actions. For example, Mugon et al. (2020) found that boredom proneness and self-control each made unique contributions performance, such that high boredom proneness and low self-control independently predicted lower grade-point averages.

Beyond lab-based and survey research, adolescence is a period of particular vulnerability for these mechanisms. Neurodevelopmental models, like the dual-systems framework, emphasize that during adolescence the socio-emotional system (reward reactivity) matures earlier than the cognitive control system (self-regulation), leading to a temporal mismatch where impulses gain strength while regulatory capacities lag behind. This biological substrate means that boredom proneness and impulsivity may have especially strong behavioural consequences during this developmental window. Impulsive decision-making during boredom might lead to risk-taking, poor educational or social choices, and long-term costs. Indeed, Carvalho et al. (2023) documented that impulsivity in adolescents was negatively associated with emotion regulation, positive interpersonal relationships and rational decision-making — factors closely tied to self-control.

Given these interlocking processes, practical implications and intervention strategies become evident. First, efforts to reduce trait boredom proneness may involve enriching the adolescent's environment, enhancing engagement, meaningful challenge and variety, training attentional focus, and fostering interests that provide intrinsic stimulation. When boredom is reduced, the trigger for impulsive choice is diminished. Second, bolstering self-control skills — for example through mindfulness training, executive-function exercises, goal-setting and planning interventions, and self-monitoring techniques — equips adolescents to resist the lure of immediate but rash impulses. Third, reducing impulsive decision-making directly (for instance via decision-making education, impulse-control strategies, and delay-gratification practices) can help break the chain of the process.

Conclusion

The study highlights the significant relationships among boredom proneness, impulsive decision-making, and self-control. Moderate positive and negative correlations were observed between the variables, indicating their mutual influence. Findings suggest that higher self-control may impact these relationships. Overall, the results confirm that boredom proneness and impulsivity are meaningfully associated with self-control, supporting the study's hypotheses.

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