

# Anticipation violation: understanding its impact on human perception and behavior.

Anna Albuhammad\*

Département de chimie, biochimie et physique, Université du Québec, Canada.

## Introduction

Anticipation violation, a concept rooted in cognitive psychology and communication theory, refers to the phenomenon where expectations or predictions about future events are contradicted by the actual outcome. This cognitive mismatch can significantly influence human perception, behavior, and emotional response. By examining anticipation violation, we gain insights into how people process unexpected information and adjust their responses accordingly [1].

At the core of anticipation violation is the concept of expectations. Human brains continuously generate predictions based on past experiences, cultural norms, and situational cues. These expectations help individuals navigate the world efficiently by preparing them for likely outcomes. For instance, if you hear the sound of a doorbell, you might expect someone to enter your home. When the actual event does not align with this expectation—perhaps it's the sound of a car alarm instead—your brain experiences a violation of anticipation [2].

When such discrepancies occur, several cognitive processes are triggered. First, there is a recognition of the mismatch between what was anticipated and what actually happened. This recognition involves a momentary confusion or surprise, as the brain reassesses the situation to reconcile the unexpected outcome with prior knowledge [3].

Emotional responses to anticipation violations can vary depending on the context and individual differences. Common reactions include surprise, confusion, and sometimes even anxiety. For instance, a surprising plot twist in a movie may evoke heightened emotional engagement, making the viewing experience more memorable. Conversely, in a more negative context, an unexpected outcome like a sudden job loss can lead to stress or frustration [4].

The intensity of the emotional response often correlates with the significance of the violation. Minor disruptions, such as a missed bus, typically cause mild annoyance. In contrast, major violations, like discovering a betrayal by a close friend, can lead to profound emotional distress. The emotional impact of anticipation violations can influence future behavior, such as becoming more cautious or skeptical in similar situations [5].

In the realm of communication, anticipation violation plays a crucial role in shaping interactions. Communication theories,

such as Expectancy Violation Theory (EVT), explore how deviations from anticipated communicative behaviors affect perceptions and responses. EVT posits that when someone violates expected social norms or communication patterns, the impact on the receiver's perception depends on the nature of the violation and the violator's status or intent [6].

For example, if a colleague unexpectedly praises you in a formal setting where criticism is more common, the positive deviation from expectation can enhance your perception of their goodwill and increase your receptiveness to their future communications. Conversely, if the same colleague were to criticize you unexpectedly, it might lead to defensiveness or a reassessment of the colleague's intentions [7].

Marketers often leverage anticipation violation to capture attention and enhance brand engagement. By creating advertisements or campaigns that defy conventional expectations, brands can stand out in a crowded marketplace. For example, an ad featuring an unexpected twist or unconventional message can generate buzz and increase consumer recall [8].

A classic example is the use of humor in advertising. When a commercial takes an unexpected turn—such as a humorous scenario involving a product—viewers are more likely to remember the ad and discuss it with others. This principle is also applied in product design and packaging, where deviations from typical designs can attract consumer interest and drive sales. Anticipation violation also plays a significant role in learning and adaptation. When individuals encounter unexpected outcomes, they often use these experiences to update their mental models and adjust future expectations. This process is essential for adaptive learning, as it helps individuals refine their predictions and improve their decision-making skills [10].

For example, if a person anticipates that a particular strategy will yield successful results but encounters failure instead, they may analyze the reasons behind the unexpected outcome. This analysis can lead to adjustments in their approach, enhancing their ability to predict and respond effectively in similar situations in the future [11].

## Conclusion

Anticipation violation is a multifaceted concept with significant implications for understanding human cognition,

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\*Correspondence to : Anna Albuhammad, Département de chimie, biochimie et physique, Université du Québec, Canada.. E-mail: ana@abdloud.ca

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emotion, communication, and behavior. By examining how people react to unexpected outcomes, we gain valuable insights into the ways in which expectations shape our interactions and experiences. Whether in everyday life, communication, marketing, or learning processes, anticipation violation reveals the complexity of human perception and the adaptive nature of our cognitive and emotional responses. As we continue to explore this phenomenon, we enhance our understanding of how anticipation and its violations influence our interactions with the world around us.

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