Interleaving and blocking: How it impacts promotional video?

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Introduction

Method

Researchers often debate interleaving versus blocking to find the most effective learning strategy, with studies showing interleaving benefits subtle category distinctions, while blocking supports learning shared features. Theories like reactivation and sequential attention support the arguments by emphasising the importance of matching strategies to the learning context. Similarly, influencer marketing and word-ofmouth strongly shape consumer behaviour, though trust in such content can be manipulated, revealing the emotional and irrational nature of many purchasing decisions.

Aged 18 or above, N = 87Participants

Videos interleaved or blocked, random, 50-50 Materials

3 brands, Bassmax, Soundbeat and Deepwaves

9 features, at 3 performance levels

Brand feature recall Measures

Confidence level

Brand ranking discrepancy

Hypothesis

H1 Higher levels of recall rate in interleaving group H2 Higher levels of confidence level in interleaving group H3 Correlation between feature rank and brand choices

Performance level Medium High Low Feature 4, 7, 8 Feature 2, 3, 6 Feature 1, 5, 9 Bassmax Soundbeat Feature 1, 2, 9 Feature 4, 5, 7 Feature 3, 6, 8 Feature 2, 4, 7 Feature 3, 5, 6 Feature 1, 8, 9 Deepwaves

1 Battery life, 2 Quick charging speed, 3 Bluetooth, 4 communication range, 5 weight, 6 colour, 7 microphones, 8 driver unit, 9 frequency range

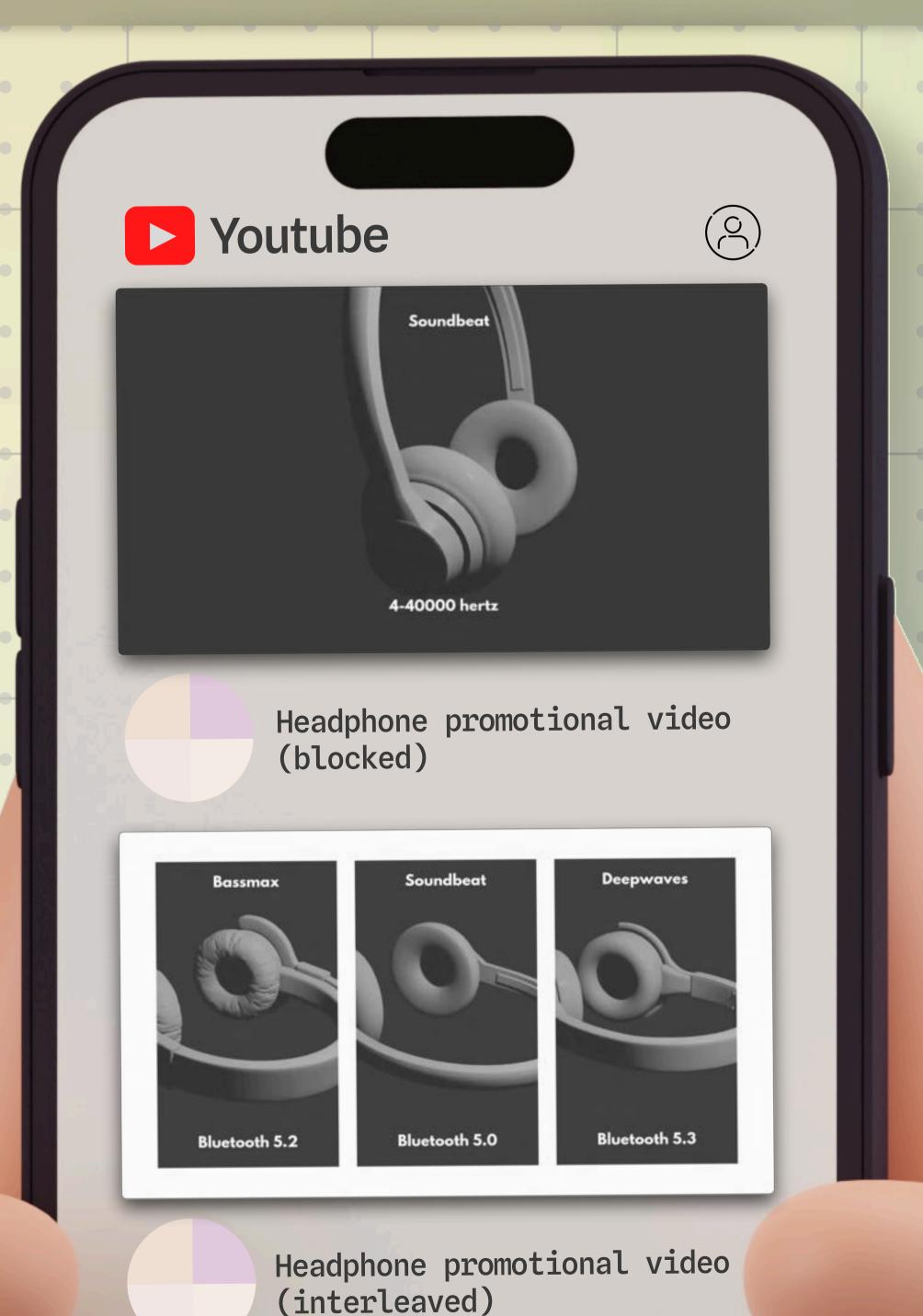
H1: Higher levels of recall rate in interleaving group: (M = 4.5, SD = 2.2), t(85) = -3.2, p = .002, with a Cohen's *d* of -.687.

H2: Higher levels of confidence level in interleaving group: (M = 26.4, SD = 8.01), t(87) = -2.76, p = .007), with a Cohen's d of -0.591

H3: Correlation between feature rank and brand choices: A higher rank of feature 3 (Bluetooth) would increase the likelihood of choosing Soundbeat over Bassmax (B = -0.793, p = .015, Odds Ratio = 0.453, 95% CI [0.239, 0.858]).

Other findings:

Results Variance between brands and brand choice prediction discrepancy: statistically significant effect of brand on brand choice prediction discrepancy, F(2, 84) = 5.11, p = .008



Discussion

Sellers of infrequently bought products should use interleaved review videos to improve consumer memory and influence purchase decisions.

Confidence aligned with recall performance, suggesting better understanding. Interleaving improved discriminability, made comparison across brands easier. Blocked made it harder to compare features, lowering confidence and recall.

The discrepancy suggests that uncertainty of a brand may be due to low familiarity in its features. Difficult-to-evaluate features may be undervalued, leading to misjudgment in brand ranking.

Better recall in interleaved viewing may explain more accurate brand choices based on feature performance.

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This above displays the videos you may watch. You will be randomly assigned to watch only ONE of them in a 50/50 chance.