

The Effects of Caffeine and Noise on Pulse Rate: A 2x3 Factorial Experiment

Summary

This dashboard shows the effects of three caffeine dosages (13.5mg, 38mg, 80mg) and two noise levels (Quiet vs Loud) on pulse rate using a 2x3 factorial design. A total of 30 observations were collected.

Key Finding

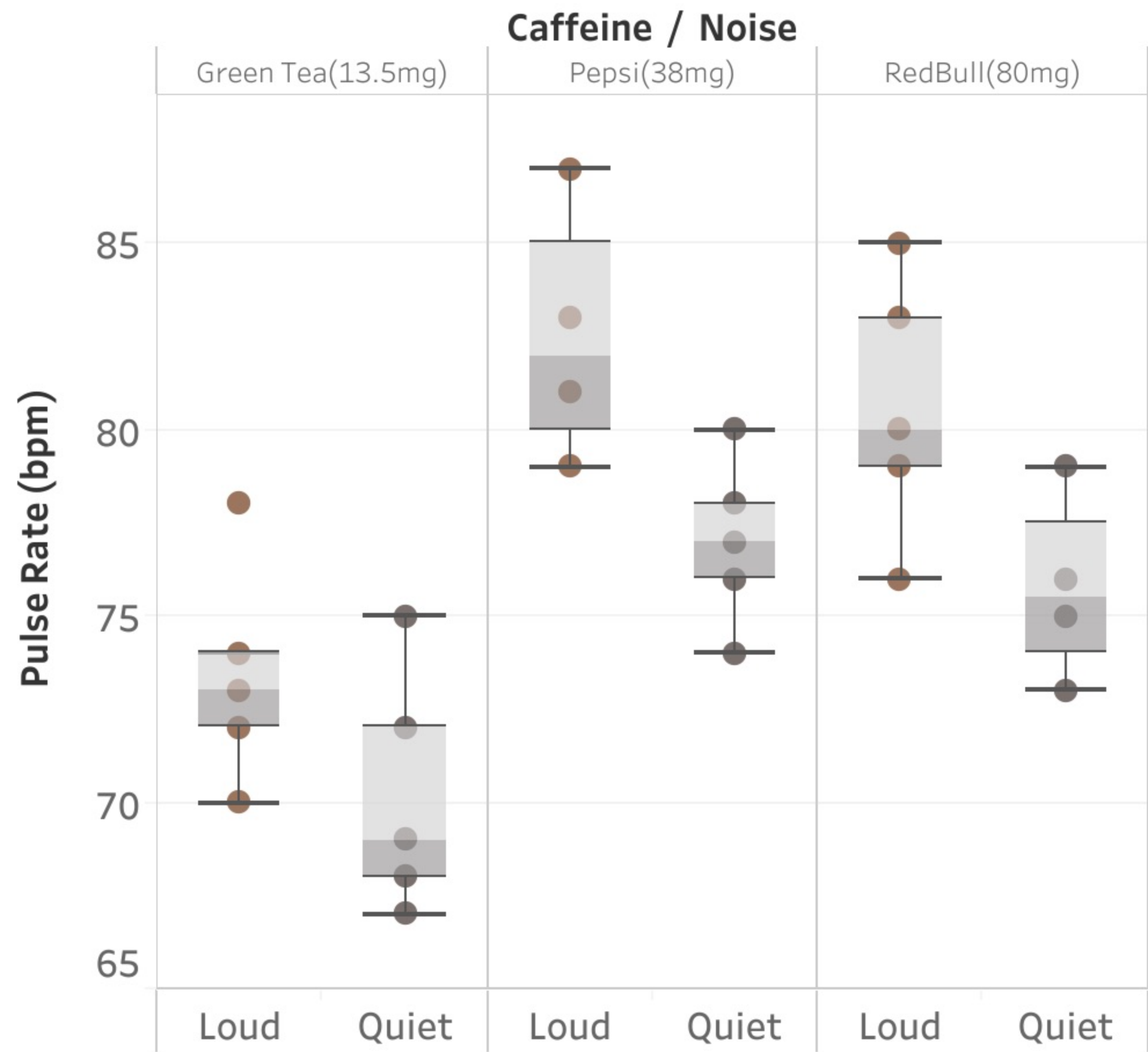
Results suggest that both caffeine and noise influence heart rate, with RedBull and Loud noise associated with the highest pulse rates.

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Pulse Rate by Caffeine Type and Noise Level (2x3 Factorial Design)



2x3 Factorial Heatmap of Pulse Rate by Caffeine and Noise

Noise	Caffeine		
	Green Tea(13.5mg)	Pepsi(38mg)	RedBull(80mg)
Loud	73.40	82.60	80.60
Quiet	70.20	77.00	75.60



Noise Level

Loud

Quiet