Societas Analysis Accessible Scientific Experiment

Experiment Title: Time Dilation via Feedback Variance (TDFV)

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Objective:
To generate a novel, feasible scientific experiment using Societas Analysis, focused on low-cost tools and

Hypothesis:
The entropy of subjective time perception is influenced by controlled micro-variances in ambient auditory fe

Apparatus:
- Smartphone or computer with Python
- Headphones (preferably over-ear)
- Microphone (smartphone mic acceptable)
- Python libraries (PyAudio) or Android latency app

Protocol:
1. Baseline: Subject wears headphones and performs a task with real-time audio feedback.
2. Variants:
- 0.1s delay
- 0.2s delay
- 0.1s delay + pitch distortion
- White noise masking
3. Trial duration: 2 minutes each
4. Post-trial subjective survey
5. Reaction time tests before/after each variant.

Data Analysis:
- Compare perceived vs actual time across feedback types
- Measure reaction time changes
- Analyze nonlinear shifts in perception

Novelty Justification:
- Unique use of action-generated sound distortion for time perception
- Fully replicable with <$30 tools
- Applicable to wearable tech, mental health, and user experience design

Conclusion:
This experiment offers a novel, affordable way to study subjective time, potentially opening up new areas o