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High Hit-Rate Random Number Generator Experiment with High Gradient of Shannon Entropy Feedback

Results:

The one “star” participant from an earlier study was asked to contribute 100 trials over a relatively long (3 months) time. All data were logged and saved for later analyses.

We could consider this study as a 100 trial, single bit pseudo random number generator experiment. That is, one half of the available sequence lengths were 0.5 and half were larger. From this perspective the single participant produced 60 sessions with a selected hit rate greater than 0.5 (Binomial $p = 0.0284$, effect size = 0.190). We also computed the z-score for excess binary ones above the generator bias ($z = 1.60$, $p = 0.055$, effect size = 0.160).

We conclude, therefore, that this participant produced strong evidence of PSI in this study, and we have a definitive test of the entropy hypothesis.

Although there was significant evidence for pseudo random number generator PSI, the participant’s ability was not dependent upon either the gradient of the underlying binary sequence or the gradient of the entropy of the feedback display.

Published Work:

None as of yet; however, this research will eventually appear in the Journal of Parapsychology

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