Can the Energy in a Room Influence a Random Number Generator? A Pilot Study

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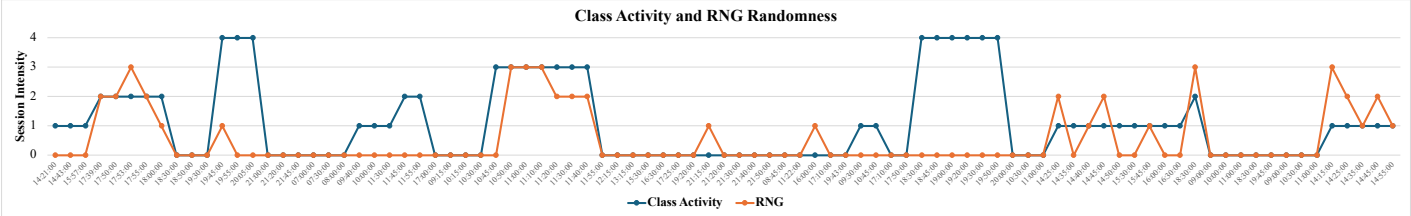
Introduction

At the Institute for Compassion in Heidelberg, we are dedicated to bridging Western scientific methodologies with Far Eastern wisdom-based practices. Inspired by HeartMath's pioneering research on heart coherence and global consciousness, we explored an intriguing question: Could the energy in a room -determined by the intensity of activity type held at our institue- produce measurable deviations in a random number generator (RNG), revealing a deeper energetic synchronization?

Methodology

Throughout a typical week, our institute hosts a variety of sessions that both require and generate varying levels of energertic activity. We catergorize these sessions into five intensity levels: 0 = room unoccupied, 1 = low activty (i.e., introductions, class assembly), 2 = potential guided meditation, 3 = group activities (i.e., Qi gong, group meditation), and 4 = shiatsu therapy. At random time points each day over the course of a week (13th-20th Februrary), a colleague recorded the time, whether the institute was hosting an event or not, session intensity, and the activity level provided by an RNG onsite at the institute. RNGs measure randomness on a scale from 0 (low randomness) to 4 (high randomness). In total, 90 data points were collected.

Results & Discussion



Graph 1. Intensity of class activity and randomness provided by the RNG.

As illustrated in Graph 1, an intriguing pattern exists between room activity and RNG behavior. At first glance, when sessions were in progress at the institute, fluctuations in the RNG were observed. In more detail, increasing randomness observed by the RNG appears strongly coupled with higher intensity sessions. A Pearson correlation analysis revealed a moderate positive relationship (0.37) between session intensity and RNG randomness. This suggests that heightened group engagement coincided with greater RNG deviation, potentially indicating a connection between collective energy and environmental coherence.

Activity Level	Average RNG Rating	# of timepoints recorded in each activity
0	0,0	43
1	0,7	22
2	1,6	8
3	2,1	7
4	0,1	9

Interestingly, the RNG was non-responsive during shiatsu therapy (Level 4). The assumption that Shiatsu has a high energetic intensity resulted from observations prior to this pilot study. However, the two Shiatsu sessions that took place that week were with the same participant, and it had already been observed in advance that the RNG had not reacted to this constellation. In this respect, no intensity 4 was actually to be expected here. Incredibly, when the 9 timepoints recorded during shiatsu therapy were removed, the **correlation increases to 0.71** across the remaining 81 measures. Therefore, this example reinforces our assumption that the RNG is reacting to the collective energy field present in the room rather than session type itself.

Conclusion

Our findings align with HeartMath's research on how collective consciousness can influence our surrounding environment. Monitoring RNG activity may be a valuable tool for assessing shifts in group energy and coherence, providing valuable insights into the interaction between human consciousness and energetic fields.