

Data & Technology: Psi Tech, Inc.

This document outlines Psi Tech's previous research, data collected, and technology built.

Research

Psi Tech started as a precognition research project called [ARVcollective.com](https://arvcollective.com). The platform's thesis is to develop enabling technology, drive organic growth, collect data, and use that technology to derive novel insights.

[ARVcollective.com](https://arvcollective.com) has been operating for ~4 months and has attracted 170+ users, conducting ~2,000 trials.

The main insights derived include analysis benchmarks, statistical significance of the precognitive effect, and correlative environmental/habitual variables.

Technology

Three trial analysis systems were developed on [ARVcollective.com](https://arvcollective.com). One multi-modal LLM and two vector embedding systems. They use different modalities to compare the correct target image to a set of random decoy target images.

Trials are authenticated by a system using an immutable, timestamped blockchain ledger to publicly prove that the correct target image was chosen at random, and only after the trial data was submitted.

An overview and open sourcing of these technologies can be found [here](#).

Our Data

As follows is a chart of judging benchmarks across ARVcollective's dataset of around ~1,700 trials.

| Judge | MMLLM | MMLLM | Embedding #1 | Embedding #2 |
|-------------|---------------|---------------|---------------|---------------|
| Dataset | ARVcollective | ARVcollective | ARVcollective | ARVcollective |
| Test Type | Real | Null | Real | Real |
| Trials # | 1,600 | 1,718 | 1,718 | 1,718 |
| Effect Size | .9% | -.2% | .86% | .28% |
| P-value | .105 | .386 | .107 | .343 |



Reinforcing Data

As follows is a chart of judging benchmarks across an external dataset of around ~10,000 trials.

| | | | | |
|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Judge | MMLLM | MMLLM | Embedding #1 | Embedding #2 |
| Dataset | Anonymous Second Dataset | Anonymous Second Dataset | Anonymous Second Dataset | Anonymous Second Dataset |
| Test Type | Real | Null | Real | Real |
| Trials # | 9996 | 9996 | 9996 | 9996 |
| Effect Size | .9% | .2% | .7% | .32% |
| P-value | .00086 | .243 | .0126 | .133 |

This dataset's source is anonymous because of an ongoing academic study. The owner of this data does not want external findings published before the official study releases.

As follows are the results of Greg Kolodziejzyk's 13 year applied precognition experiment. These trials were used to trade real capital (\$150,000+ Profit). The effect size is the average amount greater than chance in this context.

| | | |
|--------------------|------------------|----------------|
| Dataset | Publicly Accrued | Private Trials |
| Trials # | 390,252 | 5,677 |
| Effect Size | .2% | 2.65% |
| P-value | .0062 | .000015 |

[Research website](#) and [published paper](#).

