

# Self-Locating Belief in Big Worlds: Cosmology's Missing Link to Observation

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## Abstract

Current cosmological theories say that the world is so big that all possible observations are in fact made. But then, how can such theories be tested? What could count as negative evidence? To answer that, we need to consider observation selection effects.

**Keywords:** self-locating belief, anthropic principle, self-sampling assumption, cosmology, indexical evidence, observation, indexical epistemology, observation selection effects, Bayesian, paradox, probability, underdetermination

**Subjects:** [Specific Sciences: Probability/Statistics](#)  
[General Issues: Confirmation/Induction](#)  
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