WikiSilo: A Self-organizing, Crowd Sourcing System for Interdisciplinary Science

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Abstract: WikiSilo is a tool for theorizing across interdisciplinary fields such as Cognitive Science using a specific vocabulary and structure. It is designed to show if a particular cognitive theory is complete and coherent at multiple levels of discourse, and commensurable with and relevant to a wider domain of cognition. WikiSilo is also a minimalist theory and methodology about effectively doing science, and is therefore a form of epistemizing. WikiSilo theory provides for a disciplined exploration of explanatory space via an axiomatic hierarchy of epistemizing and ontologizing postulates. The WikiSilo tool, via a software version control system, supports the long term goal of working toward coherent and unified theories. More generally, WikiSilo facilitates self-organization leading to academic silos with well-defined conceptual frameworks that are vertically related as compared to poorly related ad-hoc academic fiefdoms.