

2.3.4.1.3 Knowledge Cognitive Layer

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The Knowledge Cognitive Layer is a level of the Cognitive Model. See: [Appendix I: Cognitive Model](#)

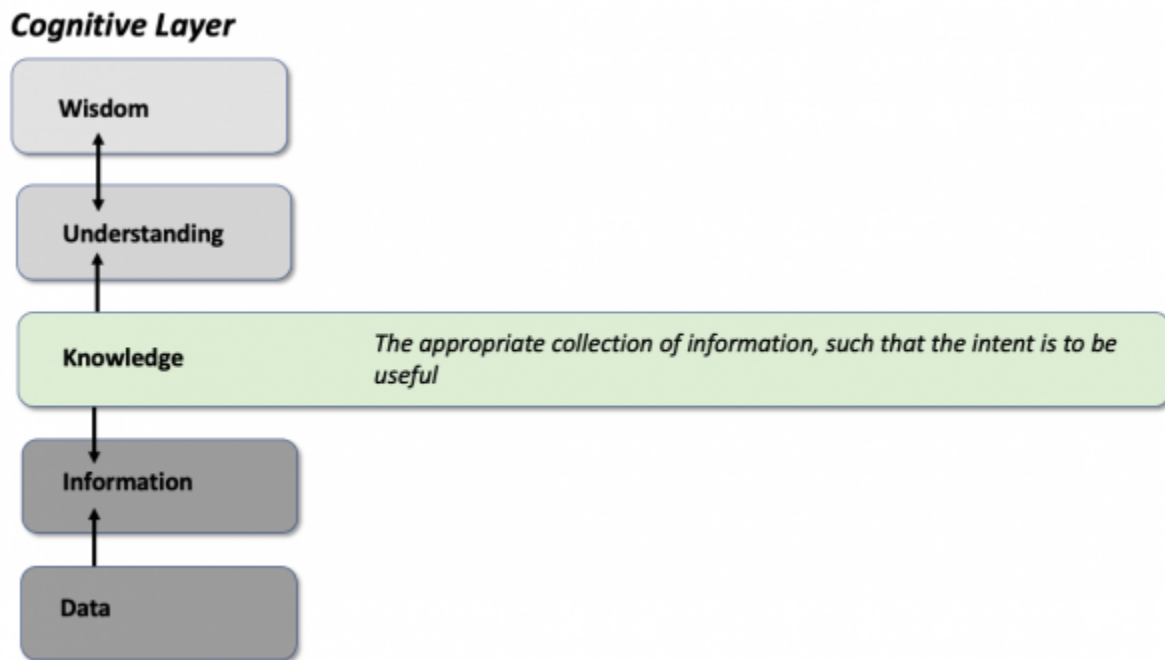


Figure 1: The Knowledge Layer of the Cognitive Model

Yingxu Wang ¹⁾ defines **Knowledge**, the third level of cognitive objects, as learned and comprehended the information. Knowledge includes creative products generated by the brain embodied by concept networks and behavioral processes. The former represents the form of to-be knowledge; while the latter embodies the form of to-do knowledge, more precisely classified using the following categories of intelligence: reflexive, perceptive, cognitive, and instructive.

Yingxu Wang ²⁾ summarizes **Knowledge** as a justified true belief.

Stavros and Albrant ³⁾ define **Knowledge** as a concept relating appropriate collection of **Information** concepts together, such that its intent is useful.

¹⁾ , ²⁾

Yingxu Wang, Formal Cognitive Models of Data, Information, Knowledge, and Intelligence, WSEAS Transactions on Computers Accessed: 29 September 2021, E-ISSN: 2224-287, Column 14, 2015, Page 770-781 <http://www.wseas.us/journal/pdf/computers/2015/b5072610-109.pdf>

³⁾
Stavros, Robert W. and Albrant, Jeremiah; Engineering Governance, SPAWAR, October 9, 2007,

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