
Bibliography

- Boden MA (1990) *The creative mind—myths and mechanisms*. Routledge, UK
- Bringsjord S, Ferucci D (2000) *AI and literary creativity*. MIT Press, Cambridge
- Cox M, Raja A (2011) *Metareasoning*. MIT Press, Cambridge
- Danks D (2014) *Unifying the mind*. MIT Press, Cambridge
- Gardenfors P (2004) *Conceptual spaces*. MIT Press, Cambridge
- Gutttag JV (2016) *Introduction to computation and programming*. MIT Press, Cambridge
- Hastie T, Tibshirani R, Friedman J (2001) *The elements of statistical learning*. Springer, Berlin
- Iyengar SS (2010) *Art of choosing*. Little Brown, Boston
- Kulkarni P (2012) *Reinforcement and systemic ML for decision making*. IEEE/Wiley
- Kulkarni P, Joshi P (2015) *Artificial intelligence—building intelligent systems*, PHI
- Kulkarni M, Kulkarni P (2007) *Deliverance form success*. CTC, Pune, India
- Kulkarni P (2015) *Knowledge innovation strategy*. Bloomsbury, New Delhi, India
- Kulkarni P et al. (2016) *Big data analytics*, PHI
- Leonard Milodinow (2008) *The Drunkard’s walk*. Penguin Books, UK
- Segaran T (2007) *Collective learning*. O’Reilly, Sebastopol
- Senge PM (1994) *The fifth discipline fieldbook: strategies and tools for building a learning organization*. Currency, Doubleday. Surfing Uncertainty, New York
- Surowiecki J (2004) *Wisdom of crowd*. Hachette, New York
- Sutton R, Barto G (1998) *Reinforcement learning*. MIT Press, Cambridge
- Tetlock PE, Gardner D (2015) *Superforecasting*. Crown
- Zoref L (2015) *Mindsharing*. Penguin, Harmondsworth

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