The Necessity of Human and AI Hybrid Decision-Making in Data Science

Megan Wilder

**References**

Araujo, Theo, et al. "In AI we trust? Perceptions about automated decision-making by artificial

intelligence." *AI & society* 35.3 (2020): 611-623.

Barassi, V. (2024). Toward a Theory of AI Errors: Making Sense of Hallucinations, Catastrophic

Failures, and the Fallacy of Generative AI. *Harvard Data Science Review*, (Special Issue 5).

Church, K. (2023, July 25). *The most underrated skill in Data Science: Communication*.

Medium; intercom-rad. medium.com/intercom-rad/the-most-underrated-skill-in-data-science-communication-7ed2fab82801

Crootof, R., Kaminski, M. E., Price, W., & Nicholson, I. I. (2023). Humans in the Loop. *Vand. L.*

*Rev.*, *76*, 429.

Dietvorst, B. J., Simmons, J. P., & Massey, C. (2015). Algorithm aversion: people erroneously

avoid algorithms after seeing them err. *Journal of experimental psychology: General*, *144*(1), 114.

Emsley, R. (2023). ChatGPT: these are not hallucinations–they’re fabrications and falsifications.

Schizophrenia, 9(1), 52.

Meng, X. L. (2023). Data Science and Engineering with Human in the Loop, Behind the Loop,

and Above the Loop. *Harvard Data Science Review*, *5*(2).

Rogers, J., Anastacio, M., Bernard, J., Chakhchoukh, M., Faust, R., Kerren, A., ... & Wall, E.

(2024, October). Visualization and Automation in Data Science: Exploring the Paradox of Humans-in-the-Loop. In *2024 IEEE Visualization in Data Science (VDS)* (pp. 1-5). IEEE.