

Driven by Compression Progress

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Abstract. I argue that data becomes temporarily interesting by itself to some self-improving, but computationally limited, subjective observer once he learns to predict or compress the data in a better way. Curiosity is the desire to create or discover more data that allows for compression progress. This drive motivates exploring infants, pure mathematicians, composers, artists, dancers, comedians, yourself, and recent artificial systems.

References

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