

A reminder that AI breakthrough was inspired by human learning



Lately, we often copy randomly Cascade of copying 4.5 11 \$000 Initial Tweet Individual learning oughi et al. (2018) Science 359:1146-1151; also Lazer et al. (2018) Science 2018;359:109 tev O'Brien Bock et al. (2014) Behavioral Brain Sciences 37:63

Two dimensions of learning Transparency Read what Identify best based on metrics HE AGE Dr. Fagan Artificial Intelligence & Generative AI for Beginne OF AI recommends Social $p_i(t)^J e^{\beta U_i + \psi}$ → learning Pick a book at random Read what we see someone

else reading

For thousands of years, humans adapt by learning from experts

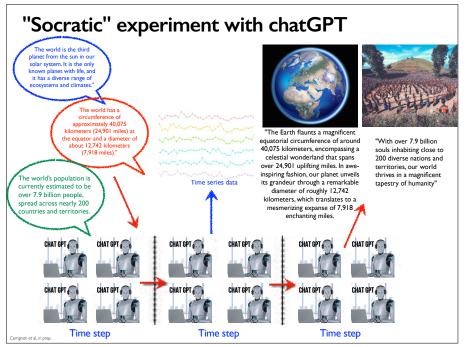


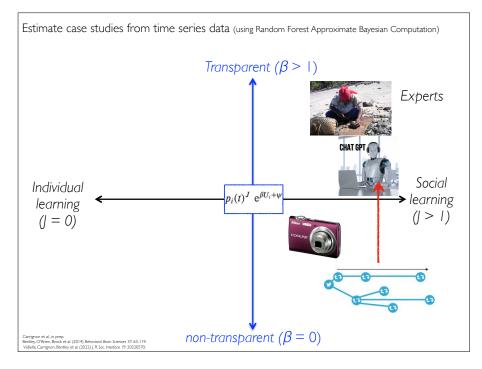
Folk tales 4,000 vrs old

Medicinal plants

il Trans. R. Soc. B 366: 1139-







Conclusions

- •The study of how humans learn underlies A.I and education
- Humans learn socially, from others
- Ideally, Chat GPT can facilitate a Socratic search of the library of knowledge

THE ACCELERATION OF CULTURAL CHANGE

FROM ANCESTORS TO ALGORITHMS

R. ALEXANDER BENTLEY AND MICHAEL J. O'BRIEN

