

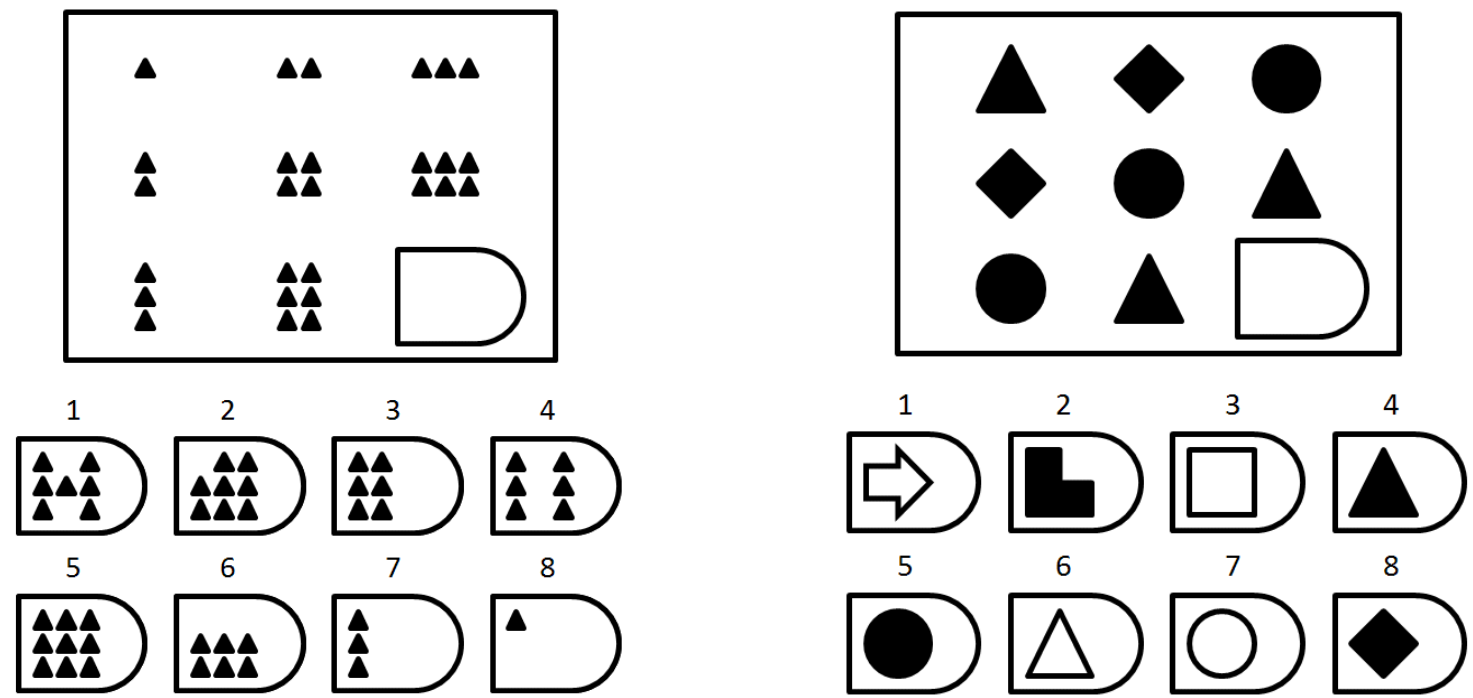
Comments on Reproducible AI

Ashok K. Goel



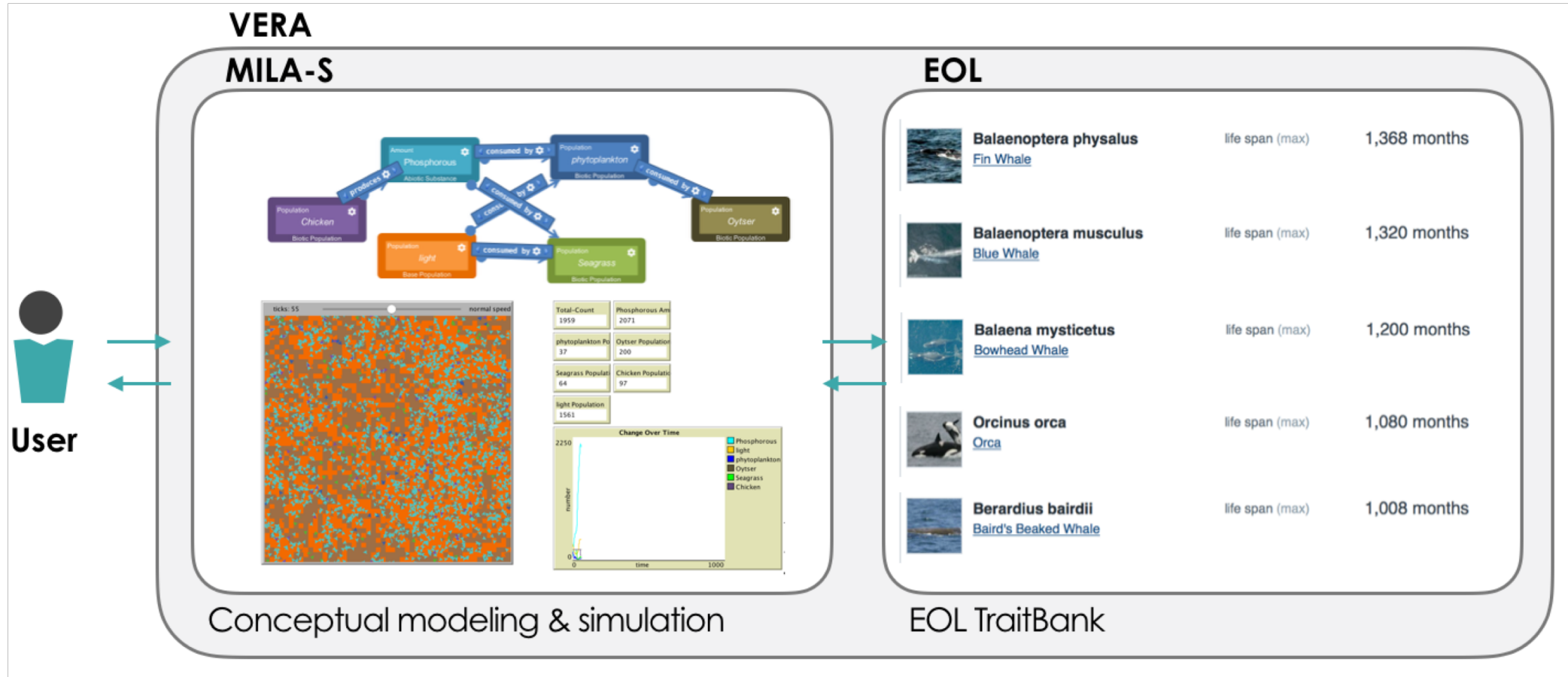
January 2019

AI Algorithms for Raven's Progressive Matrices Test



Affine, Fractal
Reproducible because algorithmic specification, standardized dataset.

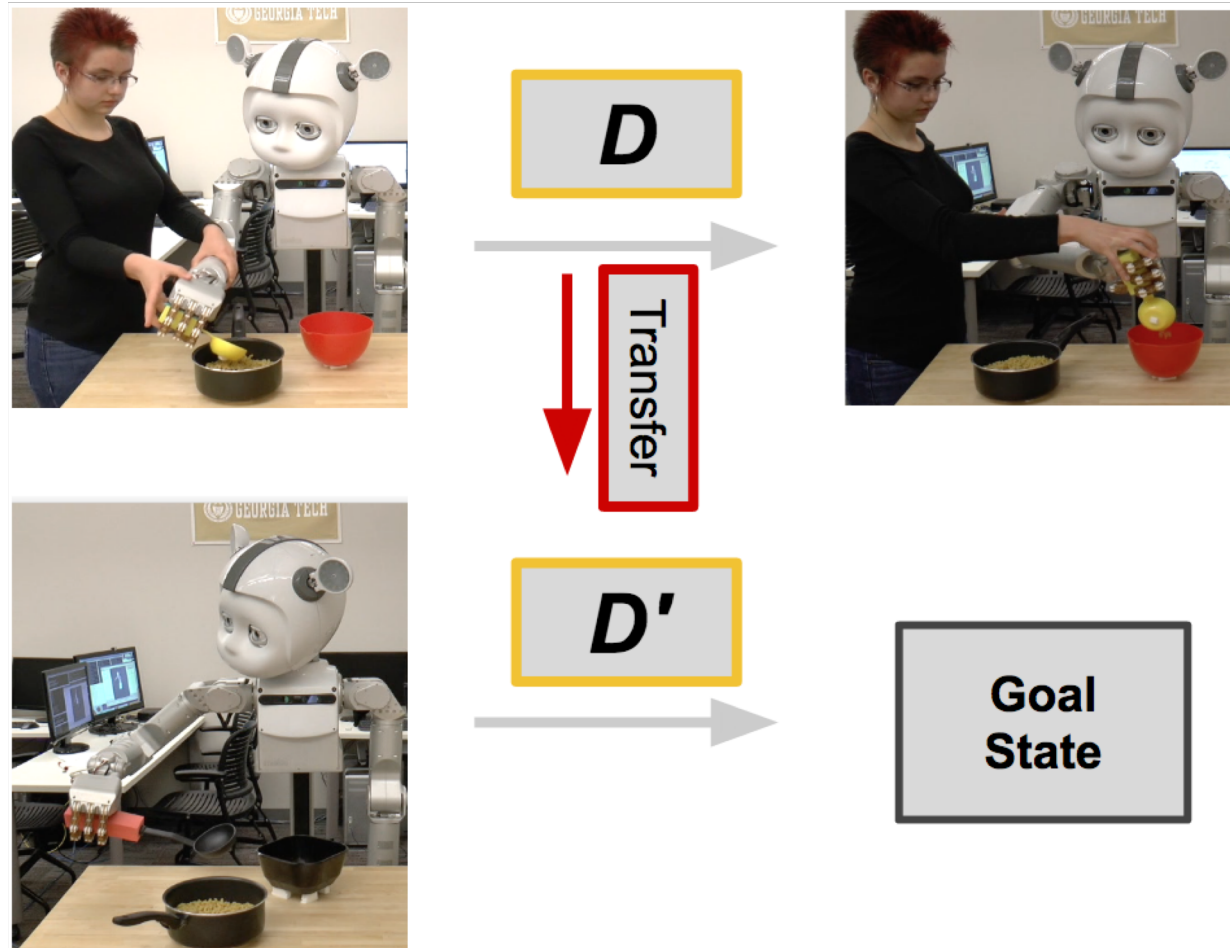
Interactive Technology for Learning about Scientific Modeling



Middle School Science, College-level Biology

Difficulty to reproduce because of 3rd party data, various populations

One shot interactive robot learning from demonstration



Case-Based Reasoning

Difficult to reproduce because of vast human variation

AI Magazine

Mostly expository articles
(not technical papers)

Fall 2018



Fall 2018 issue

- [Learning from Artificial Intelligence's Previous Awakenings: The History of Expert Systems](#)

- David C. Brock

- [AI Rebel Agents](#)

- Alexandra Coman, David W. Aha

- [Year One of the IBM Watson AI XPRIZE: Case Studies in "AI for Good"](#)

- Sean McGregor, Amir Banifatemi

- [Alexa Prize — State of the Art in Conversational AI](#)

- Chandra Khatri, Anu Venkatesh, Behnam Hedayatnia, Raefer Gabriel, Ashwin Ram, Rohit Prasad

- [On Reproducible AI: Towards Reproducible Research, Open Science, and Digital Scholarship in AI](#)

- Odd Erik Gundersen, Yolanda Gil, David W. Aha

- [Integrating Artificial and Human Intelligence in Complex, Sensitive Problem Domains: Experience](#)

- Munmun DeChoudhury, Emre Kiciman

- Fall 2018

- On Reproducible AI: Towards Reproducible Research, Open Science, and Digital Scholarship in AI Publications

- Odd Erik Gundersen, Yolanda Gil, David W. Aha

- Likely Fall 2019

- Standing on the Feet of Giants - Reproducibility in AI

- Odd Erik Gundersen