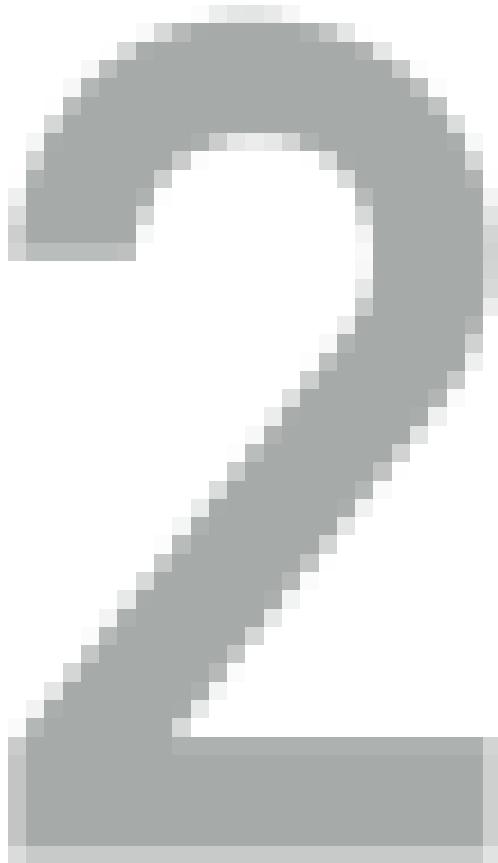


MONITOR AND COMPUTER CARDS



There is a gap between hardware and algorithms

parents have increased parentalism

A software solution for hard disk recovery

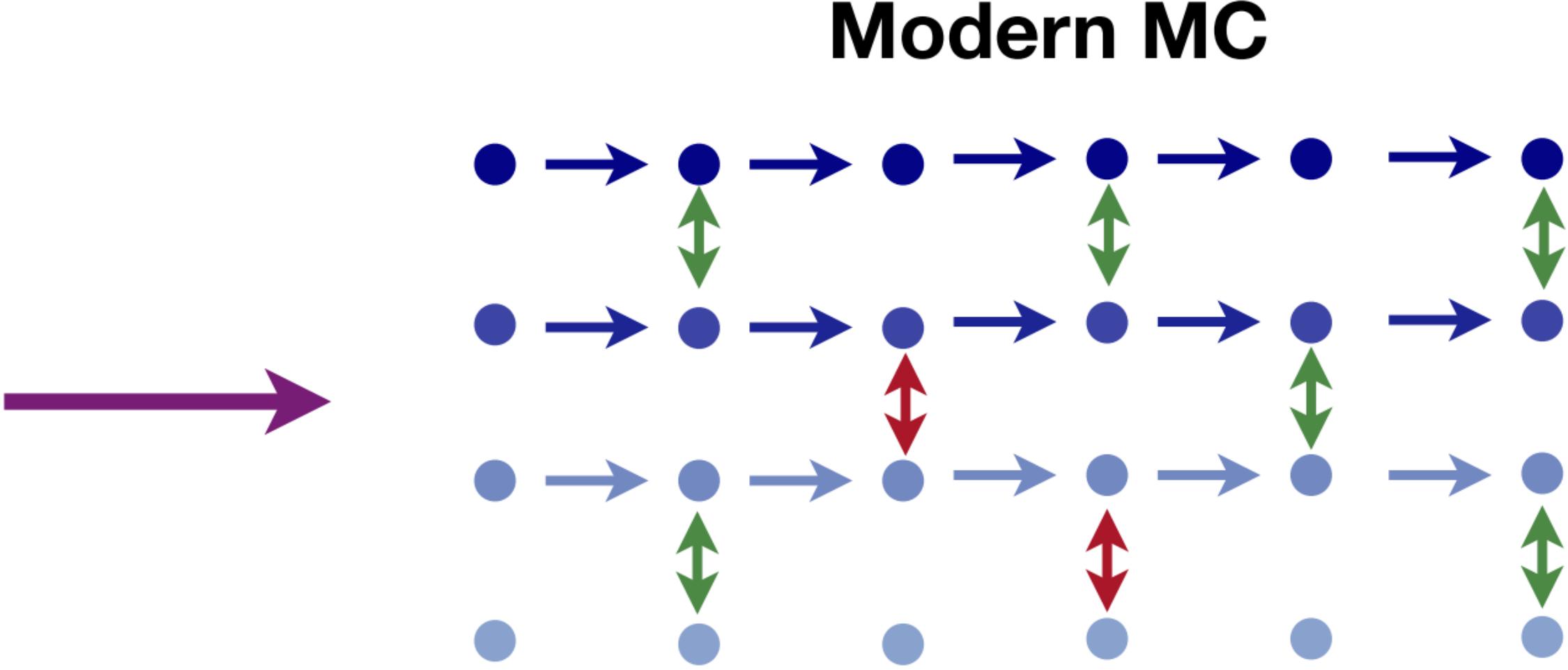
→ We always find ways to increase productivity and efficiency in its hardware and software development process.

► Go ahead with developments in hardware and software at scale with complexity that scales.

Classical



Modern MC



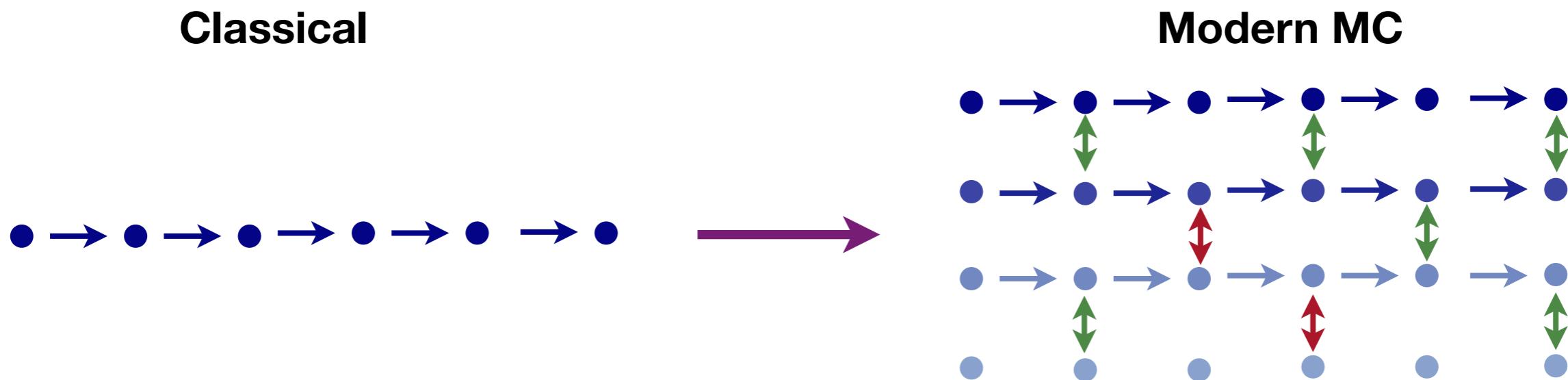
Bayesian inference with adoption tied to advances in health

→ our creativity is ignited when we can use it to do something creative.

MONTE CARLO AND COMPUTATION

24

- ▶ There is an arms race between hardware, models and algorithms
 - ▶ As hardware improves previous hard problems become sub-routines
 - ▶ We always find a way to push the limits of hardware to increase model complexity
 - ▶ Adoption in Bayesian inference tied to computational advances with MC methods
- ▶ Our creativity is limited by the tools we can use
- ▶ **Goal:** design algorithms that scale with advancements in hardware and model complexity
 - ▶ Modern hardware advancements have come with increased parallelism



GOAL OF THIS COURSE