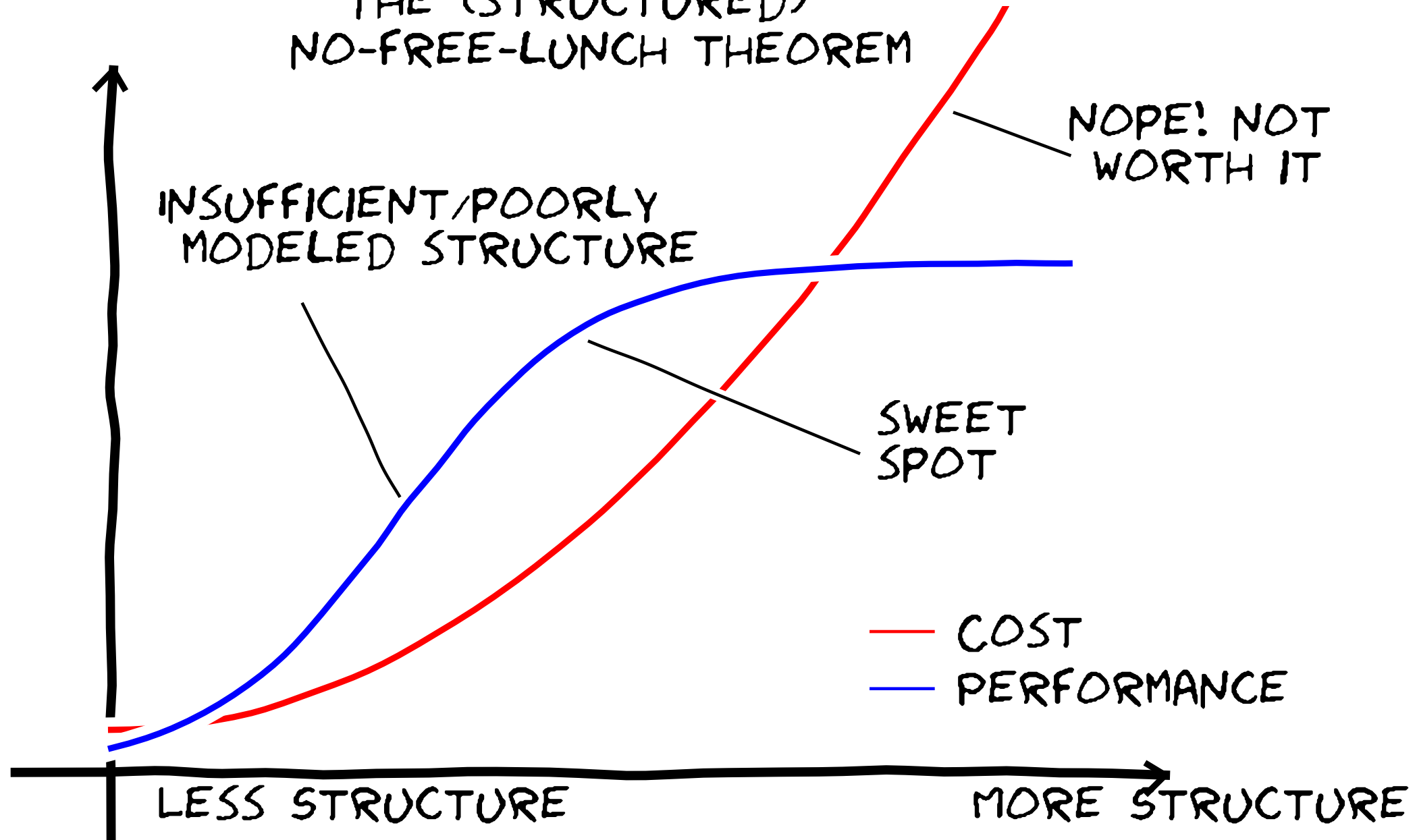




THE (STRUCTURED) NO-FREE-LUNCH THEOREM



and external

Limitations



• No *free/lunch*: modeling structure isn't always cheap

- Performance gains meanwhile!

- Structure itself can be exploited for fast algorithms

• Additional speedup by:

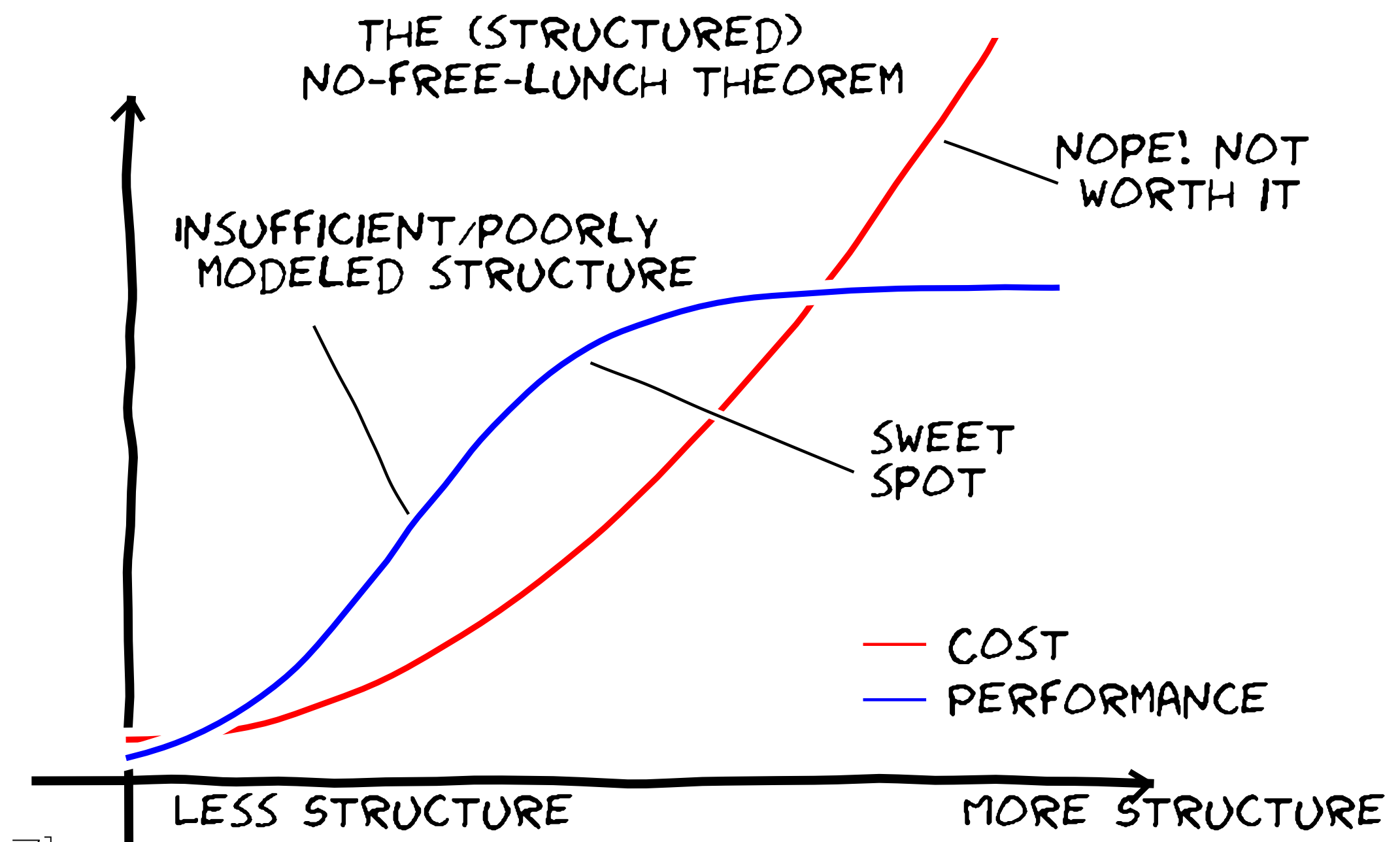
-stochastic OT [Genevay et al., 2016]

-sliced approximations [Bonnenet et al., 2014; Stalio et al., 2017]

- Beyond submodularity, Schatter invariant, hyperbolic

Limitations and Extensions

- *No free lunch*: modeling structure isn't always cheap
- Performance gains make it worthwhile!
- Structure itself can be exploited for fast algorithms
- Additional speed up by:
 - stochastic OT [Genevay et al., 2016]
 - sliced approximations [Bonneel et al., 2014; Staib et al., 2017]
- Beyond submodularity, Schatten invariance, hyperbolic



Acknowledgements (and wrap-up)

