

# The beginning of causal thinking: all traits have heritabilities $\approx .5 \pm .2$

*Genes*

Behavior genetic studies

$$r_{MZa} = r_{MZt} \approx 2r_{DZt}$$

Big 5 traits have  $h^2 \approx .5$

No evidence for shared  
(family) environment.

*Traits*

*Behaviors*

