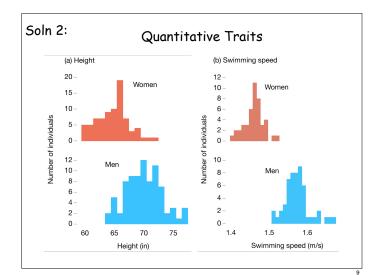
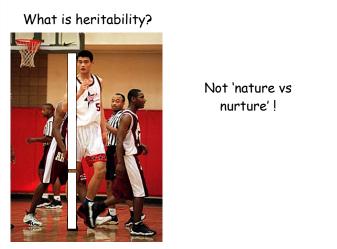


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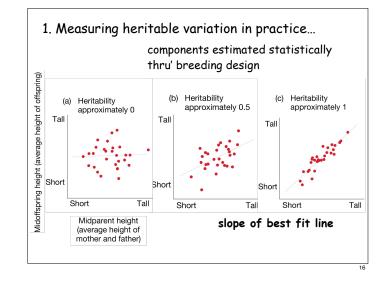


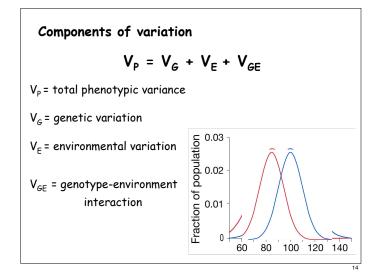


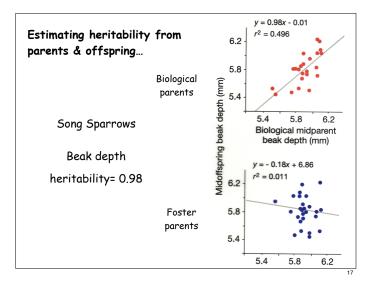
$$\mathsf{P} = \mathbf{G} + \mathsf{E}$$

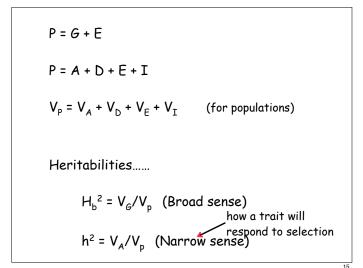
Assumptions

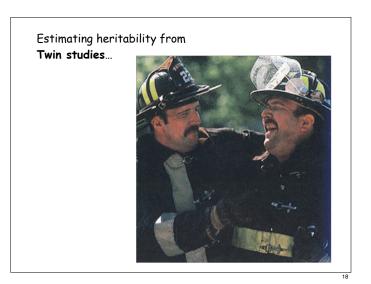
- large # of loci
- phenotypic diff result from G & E
- Mendelian theory valid
- many genotypes > same phenotype

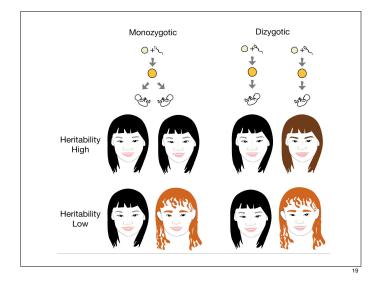


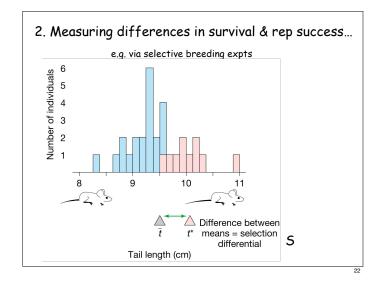


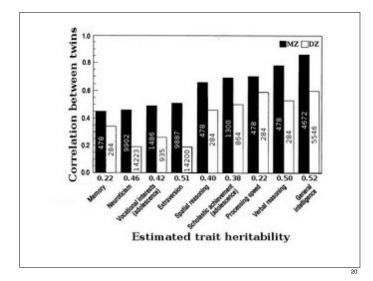


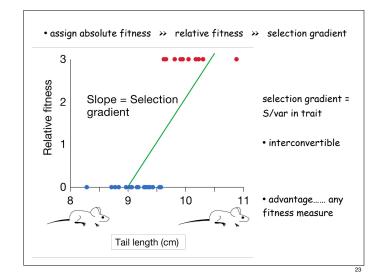


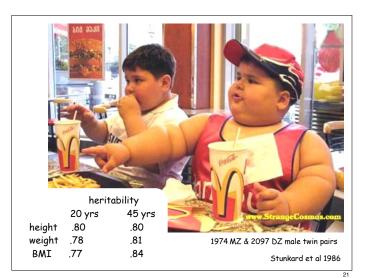


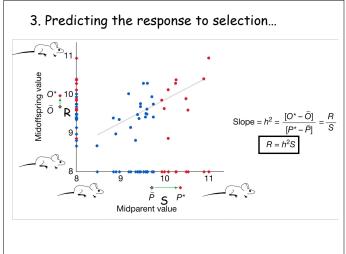


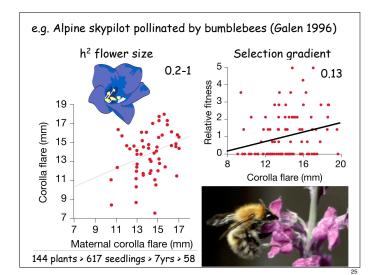


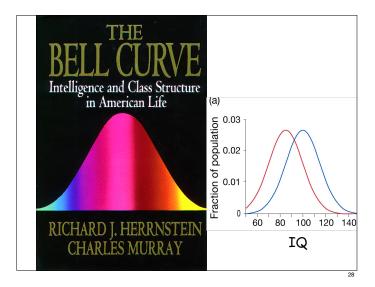


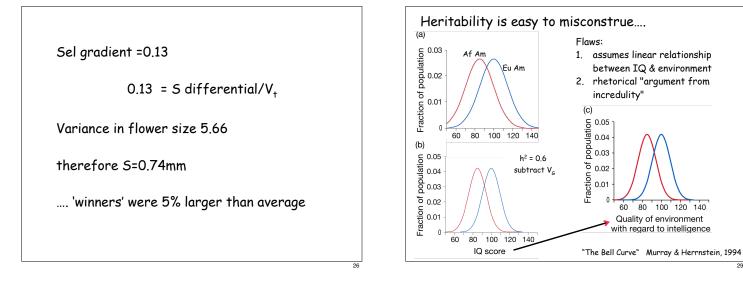


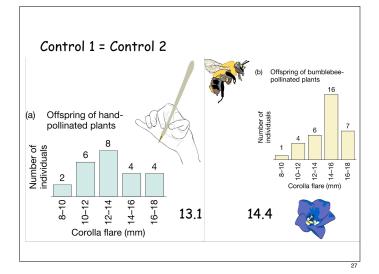


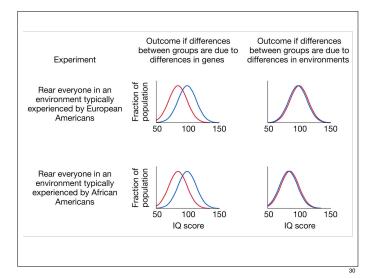




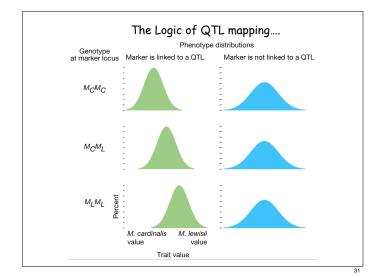


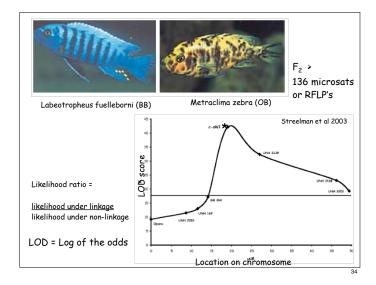


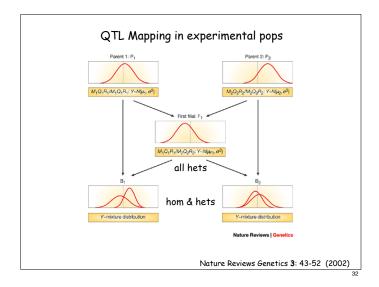


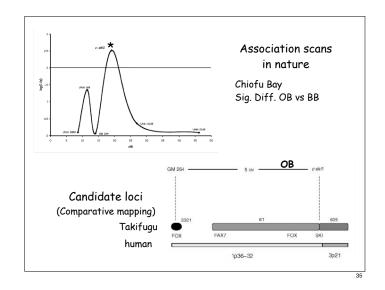


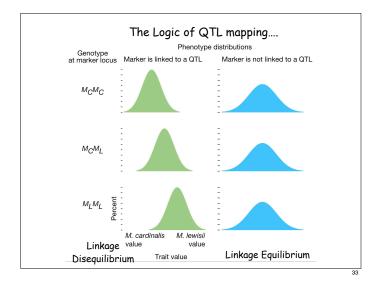
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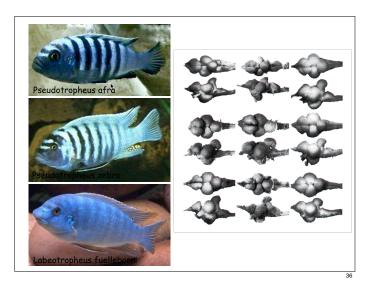


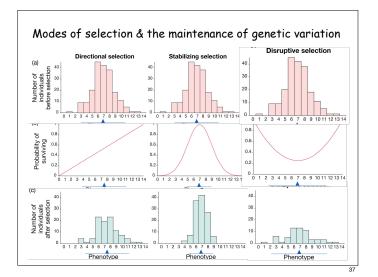


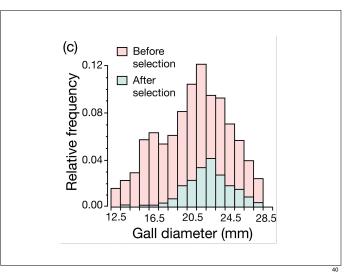


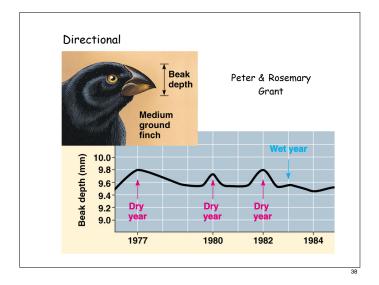


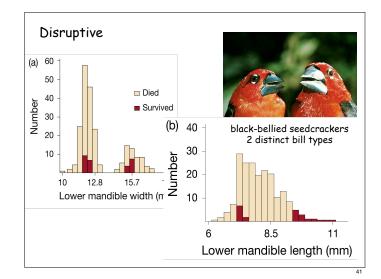


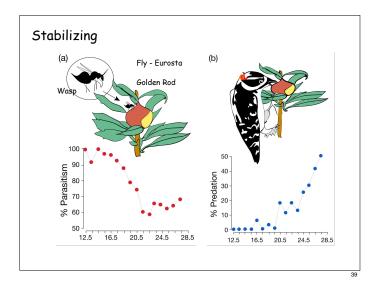


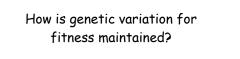












- Populations not in equilibrium with respect to directional or stabilizing selection (Fisher's Fundamental Theorem)
- Balance between deleterious mutations & selection
- Disruptive selection more common than recognized (e.g. freq dependent selection, fluctuating environment)