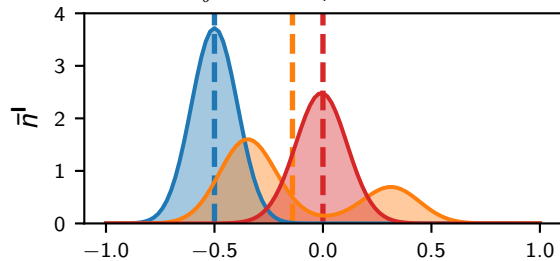
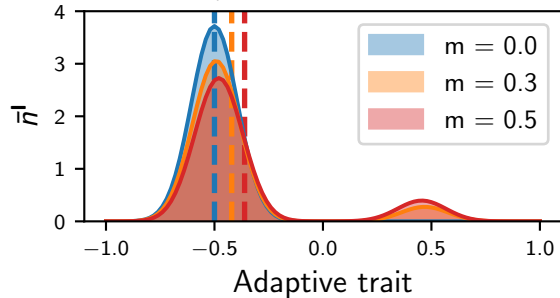


**a**

$$r_\theta = -0.5, m^* = 0.4$$

**b**

$$r_\theta = 0.5, m^* = 1.1$$

**c**