

$$y = \mu + \text{Breeding value} + \text{Dominance} + \text{Interaction} + e$$

$$y = \mu + \text{Breeding value} + e^*$$

$$y = \underbrace{Xb}_{\text{Intercept}} + Zu + e$$

Fixed and known part  
of environment

Non-additive gene effects  
Random unknown part  
of environment