
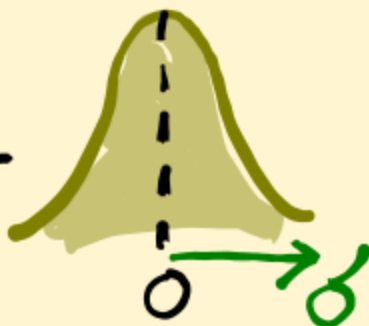


# Rearranging normal distributions

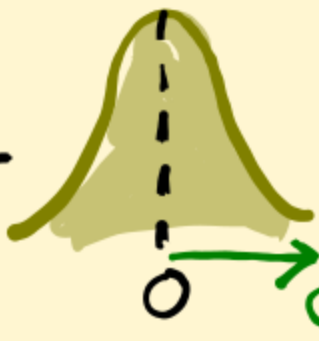
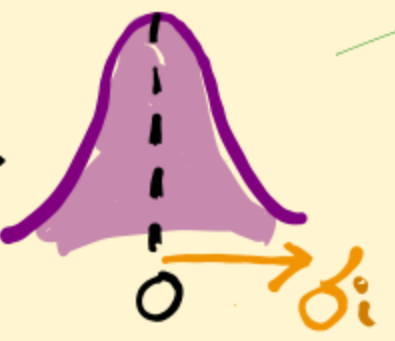
$$y = N(\mu, \sigma) =$$


A grand mean and a distribution

$$y = \mu + N(0, \sigma) = \mu +$$


A grand mean and multiple distributions

$$y = \mu + N(0, \sigma_i) + N(0, \sigma_i) =$$

$$\mu +$$

$$+$$


Non centred parameterisation

$$y = \mu + \sigma^* N(0, 1) = \mu + \sigma^*$$
