





























But we are comparing many
hypothesis: Union bound
For each hypothesis h:
$$P(error_{true}(h_i) - error_{train}(h_i) > \epsilon) \le e^{-2N\epsilon^2}$$
What if I am comparing two hypothesis, h₁ and h₂?
is h₁ believ than h₂?
Dangtr: error train (h₁) < error that error that (h₁) > error that (h₂)
p([error that (h₁) - error that (h₁) > the error that (h₂) - error that (h₂)
> (error that (h₁) - error that (h₁) > the error that (h₂) - error that (h₂) > the error that (h₁) > the error that (h₁) > the error that (h₂) > the error that (h₂) > the error that (h₁) - error that (h₁) > the error that (h₂) > the error that (h₂) > the error that (h₁) > the error that (h₁) > the error that (h₂) > the error that (h₁) > the error that (h₂) > the error that (h₂) > the error that (h₁) > the error that (h₁) > the error that (h₂) > the error that (h₂) > the error that (h₁) > the error that (h₁) > the error that (h₂) > the error that (h₂) > the error that (h₁) > the error that (h₂) > the error that (h₁) > the error that (h₁) > the error that (h₂) > the error that (h_2) > the err

