

$$8) P(H_p | \text{Data}) \propto P(\text{Data} | H_p) P(H_p)$$

let prior be $P(H_p) = \frac{1}{10}$

compute mean and SD of sum of other hypothesis
given $N=28$

$$\frac{1}{10} \cdot S' \cdot p'(s) =$$

$$\frac{1}{10} \cdot S^{10} \cdot p^{10}(s) =$$

compare