- · Suppose E; ~ N(µ, σ²), j=1,..., J, J≥2
- Questin: What is $E[\mathcal{E}_{j}]$? Ans: $E[\mathcal{E}_{j}] = \mu$ What is $E[\min_{1 \le i \le 3} \mathcal{E}_{i}]$? $E[\mathcal{E}_{j}] = \mu$ $E[\mathcal{E}_{j}]$ $J^{*} = \arg\min_{1 \le i \le 3} \mathcal{E}_{i}$

 $E_{i} \equiv CV \text{ error } f \text{ jth model}$ $\underline{e.g.} \quad E_{i} \equiv CV \text{ error } g \text{ logistic regression}$ $E_{2} \equiv V \text{ is random freats}$

E3 = " " 5-NN

In practice & ~N(M; , o; 2)

But dill E[E;*] < M;*