Ensemble learning 03/10/2023 E[(ho(n)-y)v] = E[(ho(n)-h(n))v] + E[h(n)-y(n))v]+E[(you-ym)] Error of an Algorithm: A y Variance 1 minimize variance ho (n) - I weak law of large number (WLLN) $\mathcal{D}_{i} \sim \mathcal{P}^{m} \left(\mathcal{D}_{i}, \mathcal{D}_{i}, \mathcal{D}_{m}\right)$: In show in more Simulatur Rumpling Given D $g(x,y1D) = \frac{1}{n}$ tick a training semple from D uniformly at rondom folloing 9 -> Di ND Di Nom

Sample with replacement Dil=n Sample with replacement $D_1, D_2 \dots, D_m \sim Q^m$

