Weight shrinkage We do Rédge regression: De I D (Wan-ken) an + A W So the basic GD step is: or  $\overrightarrow{w} \leftrightarrow \overrightarrow{w} - n \rightarrow \overrightarrow{w} + -n \rightarrow \overrightarrow{w} +$ W(1-72)- namal MSE rem gemetrical de cay virh a rote 1-na < 1. Hence the name weight decay or "parameter kvinkage a geometric series decay enponarially fost, so if the - 4 I () a tem dols not push w, it goes kowards o)