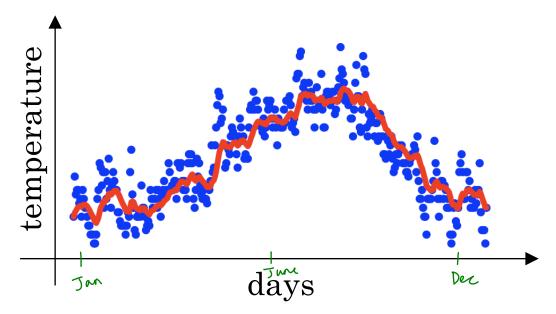


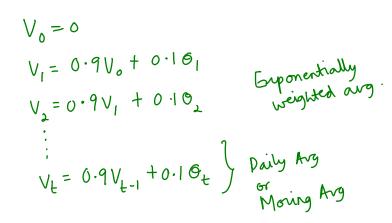
Optimization Algorithms

Exponentially weighted averages (Better Algor than Gradient Desc)

Temperature in London (Pre-Reg to better Algor than Gradient descent)

$$\theta_{1} = 40^{\circ}F \quad (50^{\circ})$$
 $\theta_{2} = 49^{\circ}F$
 $\theta_{3} = 45^{\circ}F$
 \vdots
 $\theta_{180} = 60^{\circ}F$
 $\theta_{181} = 56^{\circ}F \quad (500^{\circ})$
 \vdots





Exponentially weighted averages

