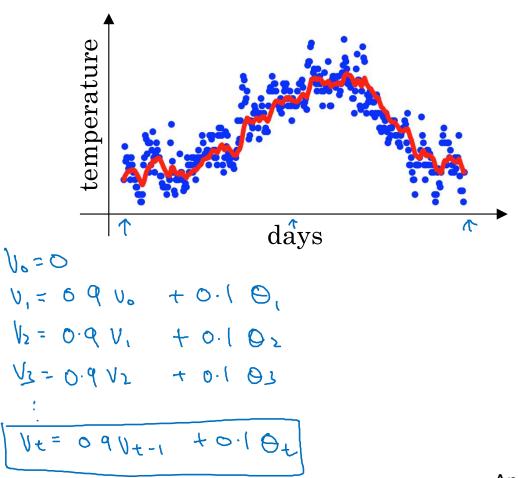


Optimization Algorithms

Exponentially weighted averages

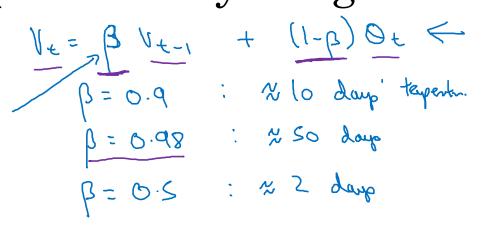
Temperature in London

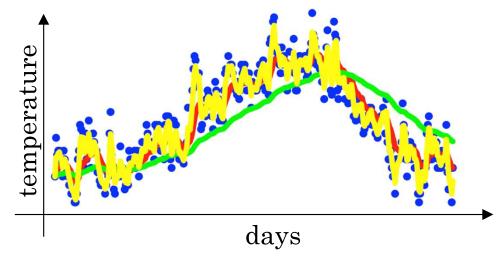
```
\theta_{1} = 40^{\circ}F \quad \text{fic} \leftarrow
\theta_{2} = 49^{\circ}F \quad \text{goc}
\theta_{3} = 45^{\circ}F \quad \text{fic}
\vdots
\theta_{180} = 60^{\circ}F \quad \text{Goc}
\theta_{181} = 56^{\circ}F \quad \text{fic}
\vdots
```



Andrew Ng

Exponentially weighted averages





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Note of the days temperature.