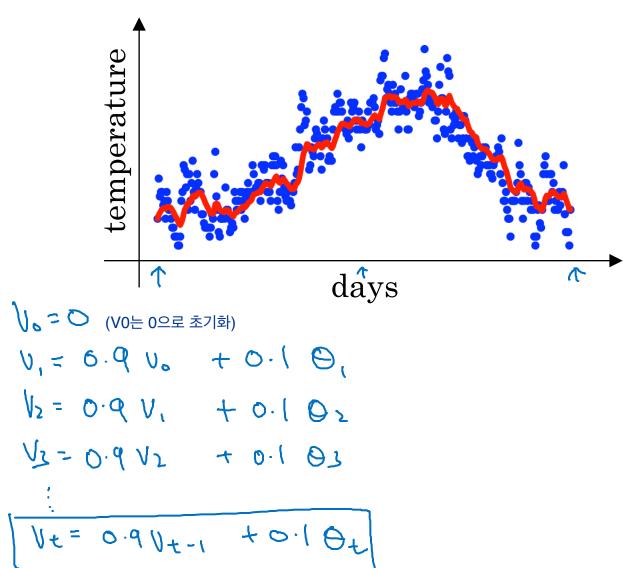


## Optimization Algorithms

## Exponentially weighted averages

## Temperature in London

```
\theta_{1} = 40^{\circ}F +^{\circ}C \leftarrow
\theta_{2} = 49^{\circ}F +^{\circ}C
\theta_{3} = 45^{\circ}F
\vdots
\theta_{180} = 60^{\circ}F \bigcirc
\vdots
\theta_{181} = 56^{\circ}F
\vdots
```



## Exponentially weighted averages

