Newspaper Example

BIOE 498/598 PJ

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Parameter definitions and online learning

```
set.seed(498)
N < -1000
D <- 50 + sample.int(50, N, replace=TRUE)
p <- 1
c < 0.25
theta <- numeric(N+1)</pre>
theta[1] <- 25
alpha <- 0.5
reward <- numeric(N)</pre>
for (i in 1:N) {
  reward[i] <- p*min(theta[i], D[i]) - c*theta[i]</pre>
  drdt <- ifelse(theta[i] < D[i], p-c, -c)</pre>
  theta[i+1] <- theta[i] + alpha*drdt
```

Results

