
Table of Contents

rundoctor.m	1
Inputs:	1
Outputs:	1
Code:	1

rundoctor.m

```
% Trains the model of doctors on Warfarin dataset.  
  
% This function trains the doctors model on Warfarin dataset. In  
% particular, the doctors always assign the patients to the medium  
% dose in  
% (ind = 1) in their first visit.
```

Inputs:

T: Time horizon.
rewards: A T*k matrix, containing the rewards of all actions at all
time periods.

Outputs:

regret: Cumulative regret as a running sum over regret terms.

Code:

```
function regret = rundoctor(T, rewards)  
  
regret = zeros(1,T);  
  
for i=1:T  
    bestreward = max(rewards(i,:));  
    ourreward = rewards(i,2);  
  
    if (i==1)  
        regret(i) = bestreward - ourreward;  
    else  
        regret(i) = regret(i-1) + bestreward - ourreward;  
    end  
  
end
```

Published with MATLAB® R2015a