

TITLE

SUBTITLE

by

Name

TBD

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Contents

```
using Distributions

function thompson_sampling( $\alpha$ ,  $\beta$ , apply; T=100)
    for t in 1:T
         $\theta$  = rand.(Beta.( $\alpha$ ,  $\beta$ ))
        x = argmax( $\theta$ )
        r = apply(x)
         $\alpha$ [x],  $\beta$ [x] = ( $\alpha$ [x] + r,  $\beta$ [x] + 1 - r) # Comment
    end
    return Beta.( $\alpha$ ,  $\beta$ )
end
```