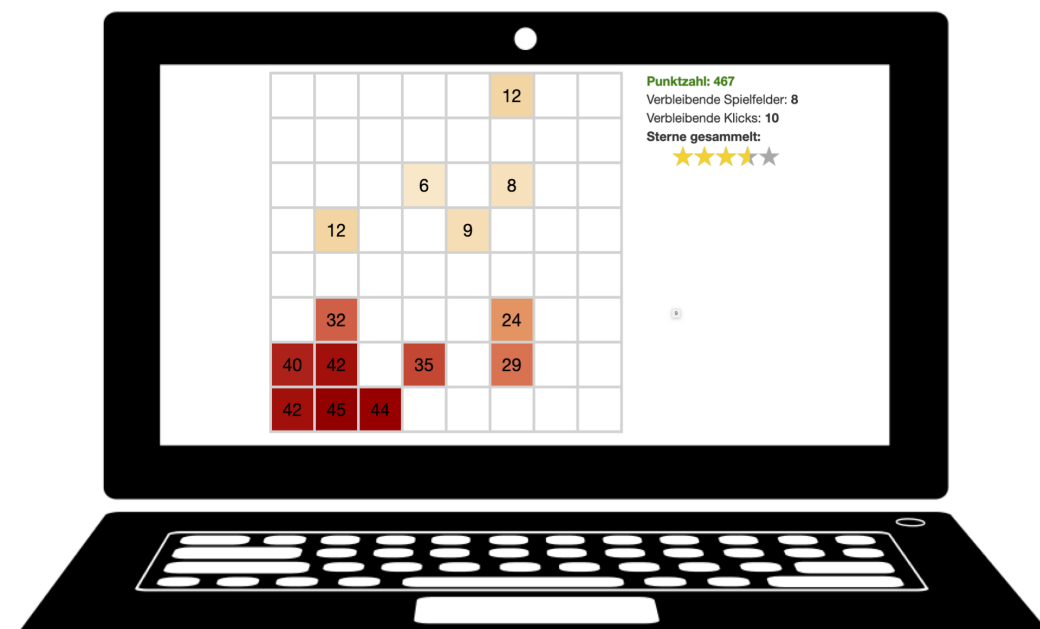
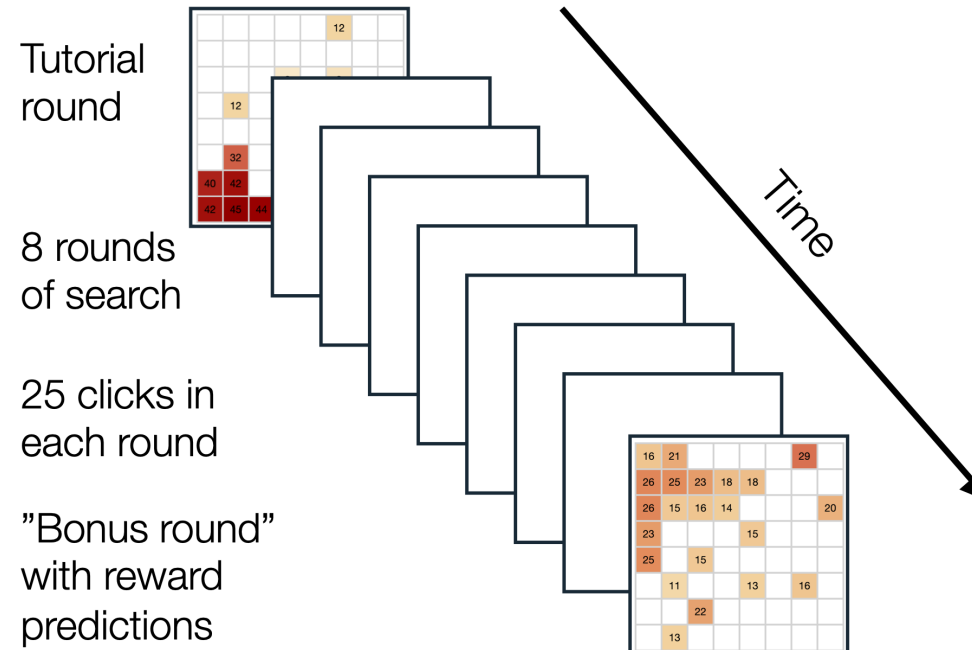


a Experiment and design

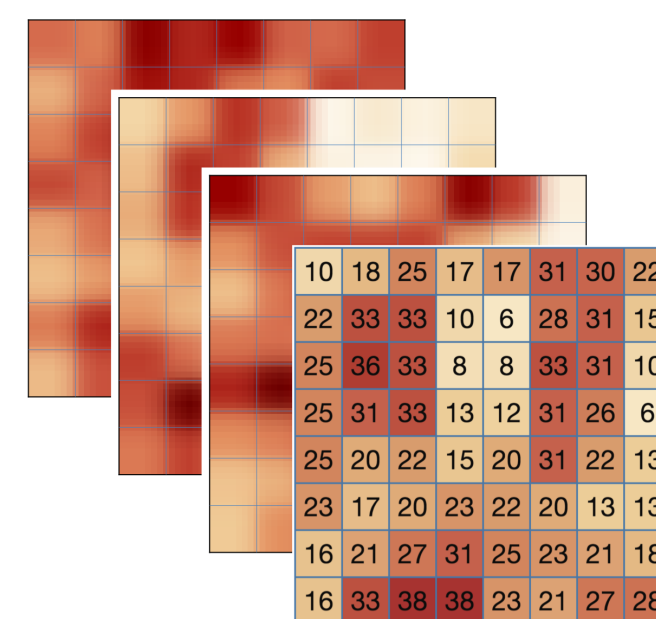
Task



Procedure

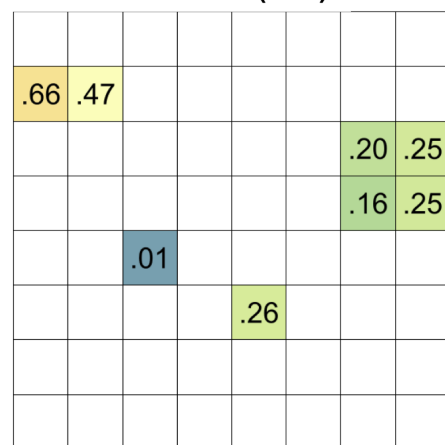


Environments

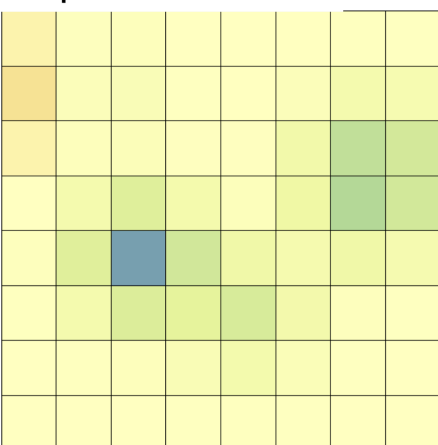


b Computational GP-UCB model

Observations (t=8)



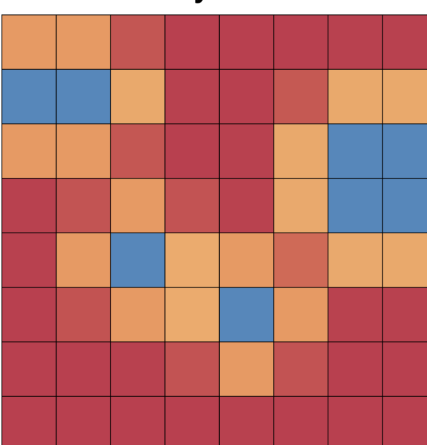
Expected rewards



$\mu(\mathbf{x})$

1.00
0.75
0.50
0.25
0.00

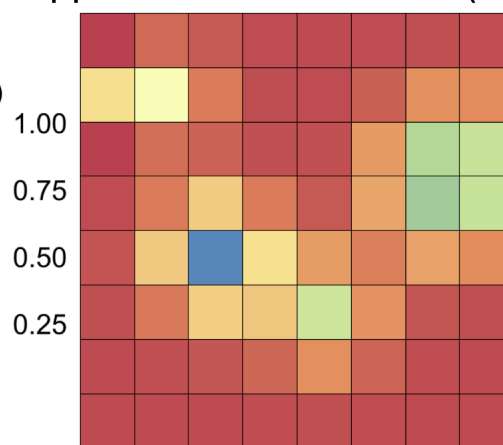
Uncertainty



$\sigma(\mathbf{x})$

1.00
0.75
0.50
0.25

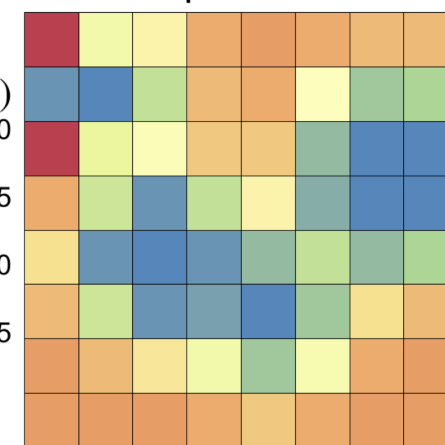
Upper Confidence Bound (UCB)



$UCB(\mathbf{x})$

1.00
0.75
0.50
0.25

Softmax predictions



$p(\mathbf{x})$

0.03
0.02
0.01
0.00

Generalization λ Exploration bonus β Random temperature τ