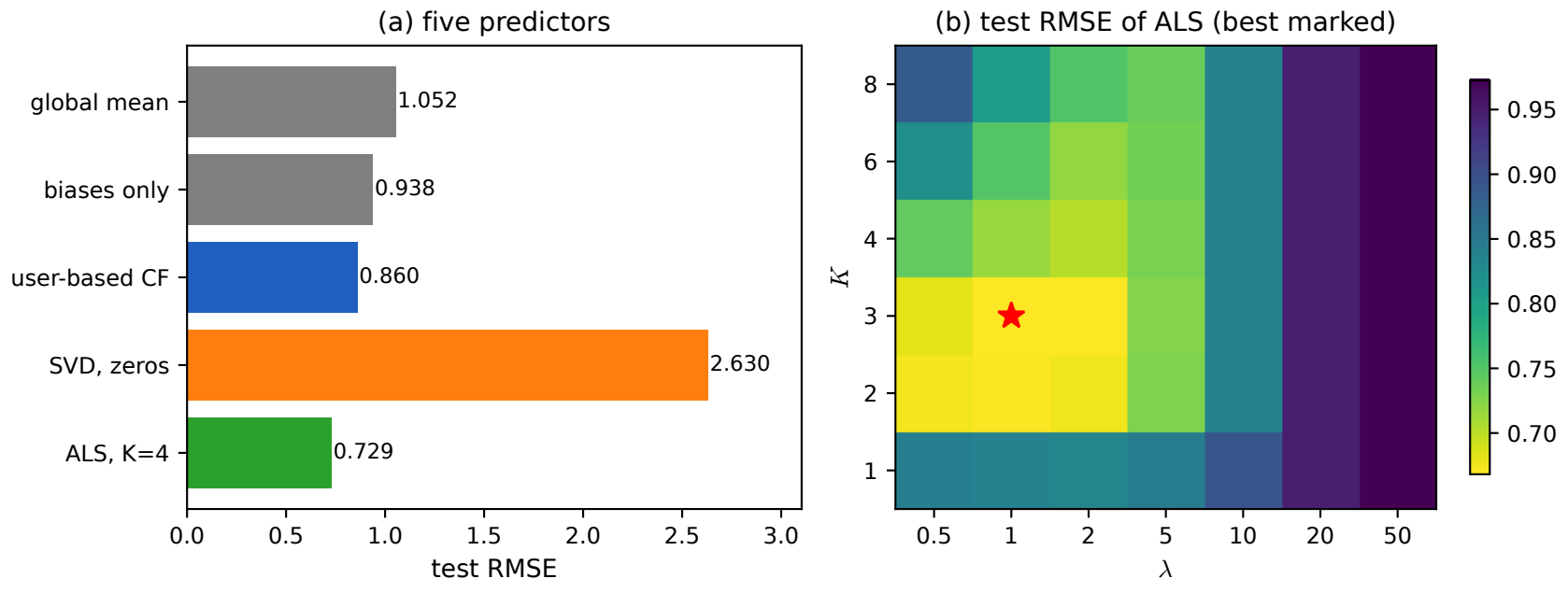

(a) five predictors
global mean
biases only
user-based CF
SVD, zeros
ALS, K=4
1.052
0.938
0.860
2.630
0.729
0.0
0.5
1.0
1.5
2.0
2.5
3.0
test RMSE
(b) test RMSE of ALS (best marked)
K
λ
1
2
4
6
8
0.5
1
2
5
10
20
50
0.95
0.90
0.85
0.80
0.75
0.70