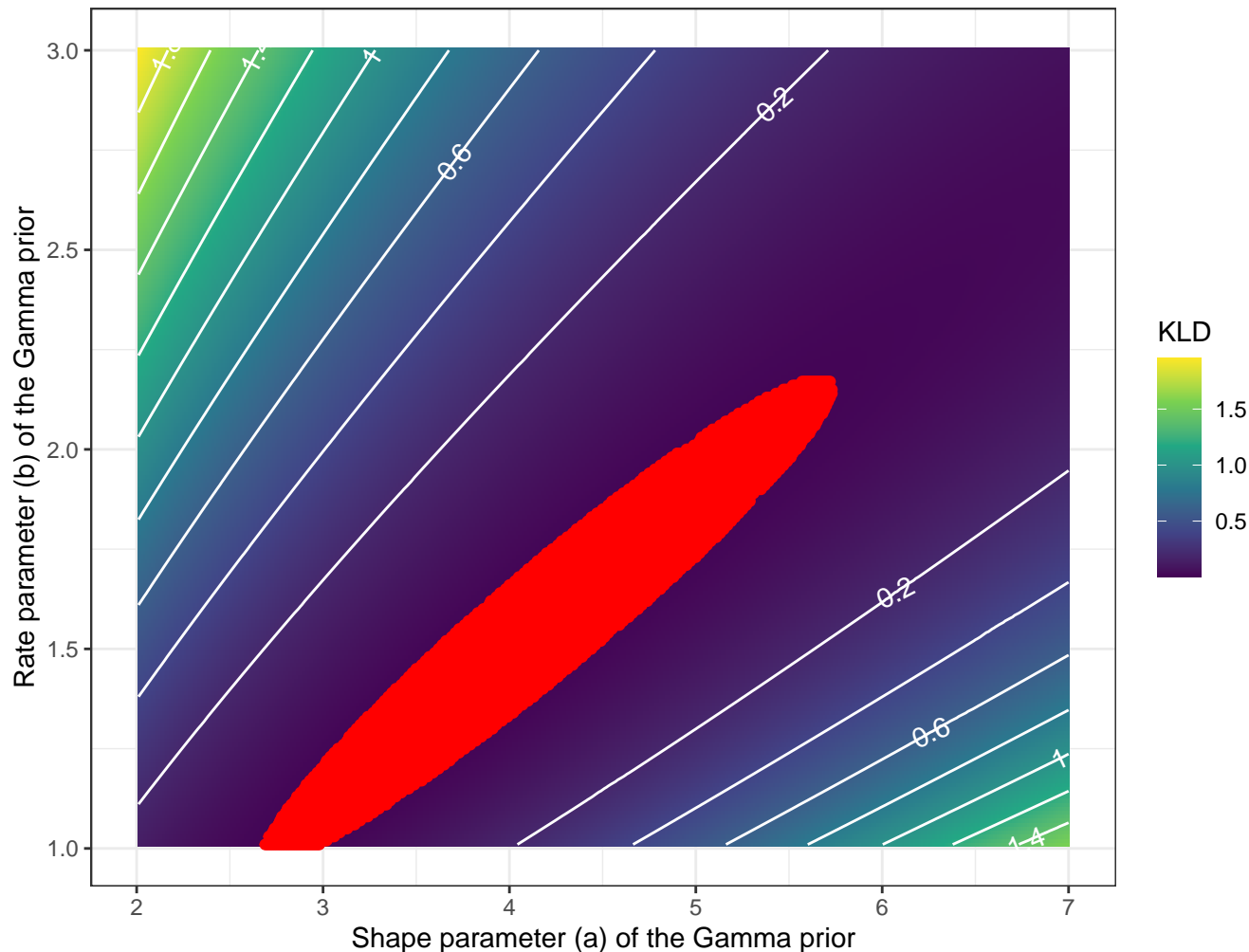


The Kullback–Leibler divergence measure ( $J = 100$ ,  $df = 10$ )

Assuming an informative prior on the number of clusters ( $K$ )



Solution:  $a = 3.87$ ,  $b = 1.44$ ,  $KLD = 0.008$