

# nonparametric matrix regression

probability  $\mu(\mathbf{X})$



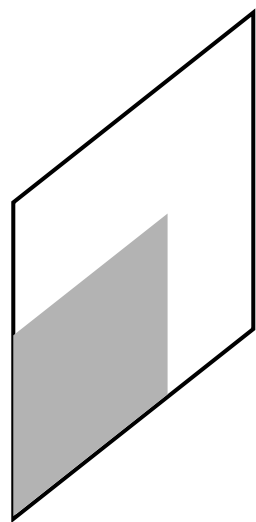
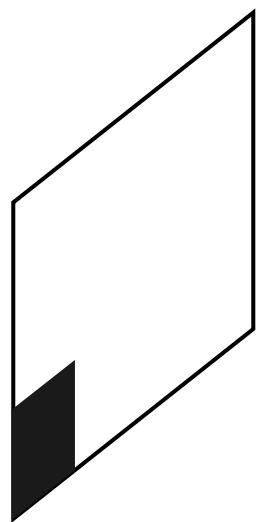
0

$$\pi - \frac{1}{H}$$

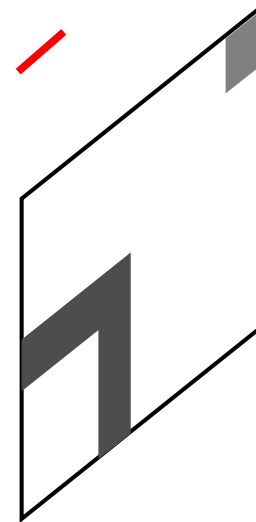
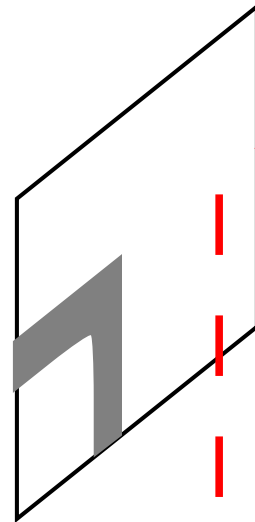
$\pi$

1

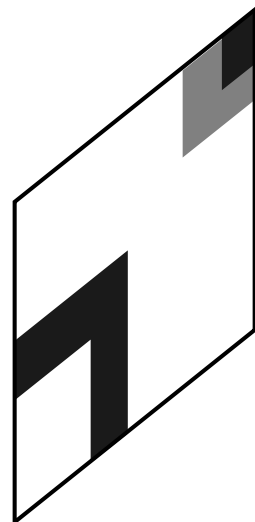
matrix-valued  
predictors, e.g.  
brain networks



...



...



$(\pi - 1/H)$ -weighted  
classification

-1

-1

-1

1

1

$\pi$ -weighted  
classification

-1

-1

-1

-1

1