

Data

Statistic

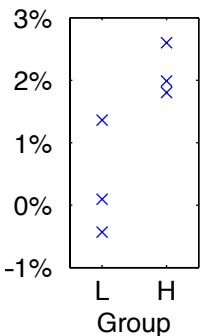
Null Distribution

P-value

$$D = \bar{x}_H - \bar{x}_L$$

Mean
Difference

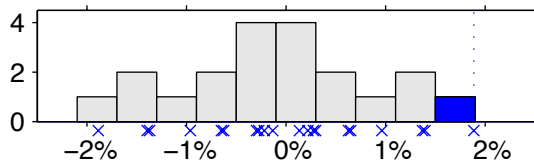
fMRI Activation



$$T = D/S_D$$

Two Sample
T Statistic

Nonparametric Null Distribution of D



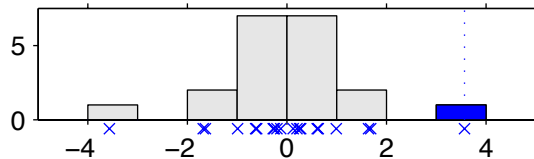
0.05

Parametric Null Distribution of D

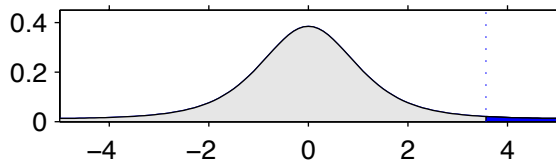
(None – standard deviation unknown)

n/a

Nonparametric Null Distribution of T



0.05

Parametric Null Distribution of T (t_4)

0.0117