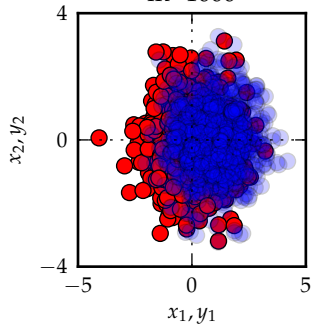
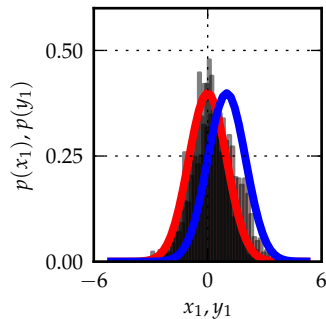


Data, shift in  $x_1=1$

$m=1000$

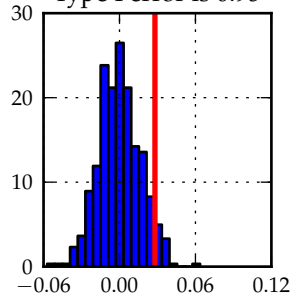


Data PDF in  $x_1, y_1$



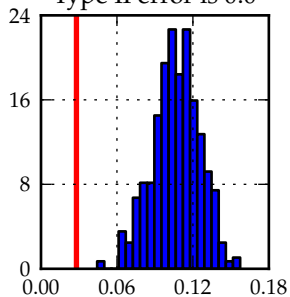
Bootstrapped Null Dist.

Type I error is 0.95



Alternative Dist.

Type II error is 0.0



Null Dist. Gaussian

Type I error is 0.942

