

Q.1

$x = [-90.48, 103, -87.83, 99.93, -96.06, 99.76]$ ;  
Input vector:  
p value= 0.05

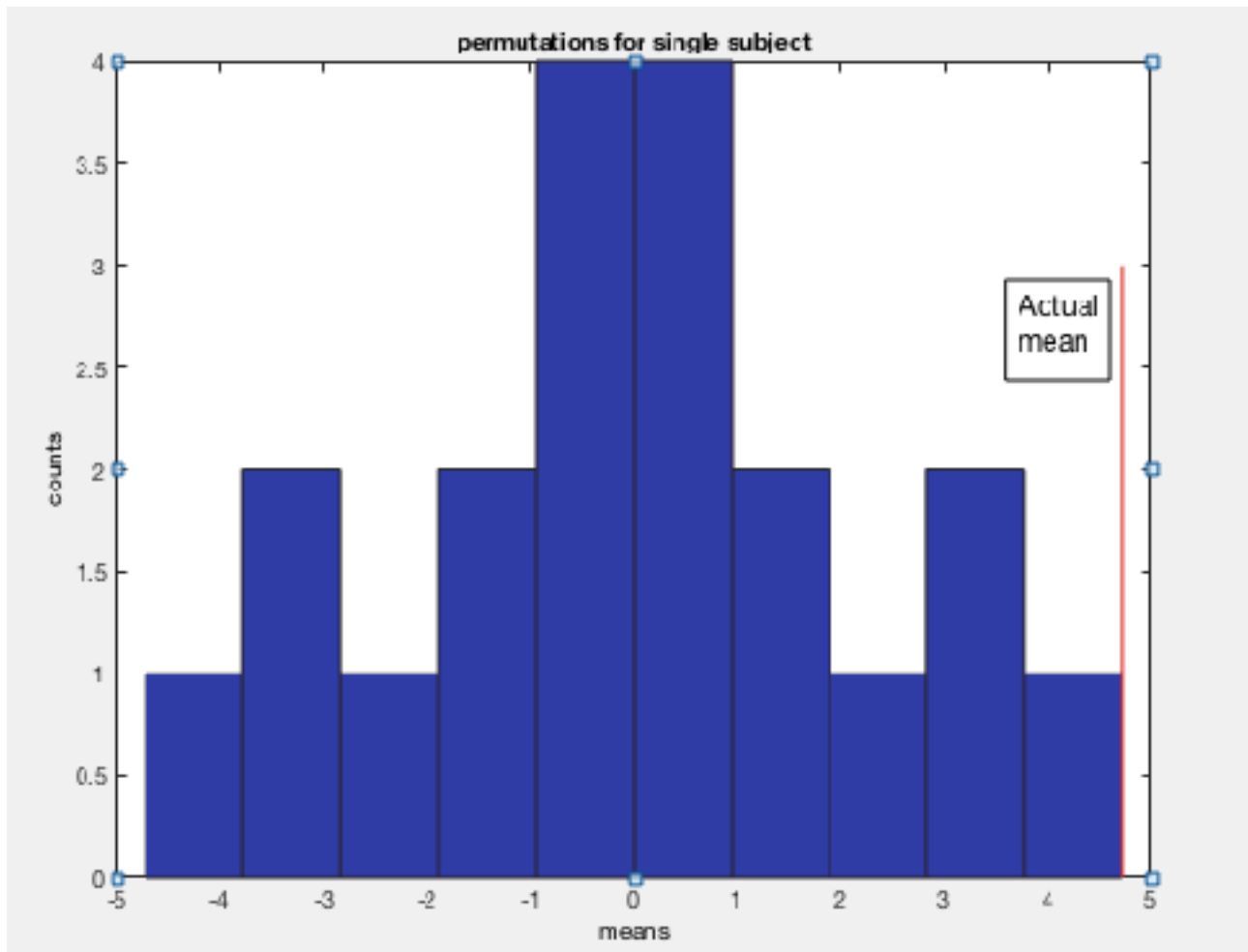


Figure: histogram for surrogate values The red line shows the actual mean position

Q.2

Input vectors:

X = [-90.4800 103.0000 -87.8300 99.9300 -96.0600 99.7600]

Y = [-80.4800 97.0000 -87.8300 98.9300 -95.0600 98.7600]

No of permutations: 30

Results: p value= 0.433

