Simulation of sROC based on selected and unselected studies
Appendix Figure 1 and 2

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```r
s.rdt1 <- "scenario/18rows/set-0.5b-all-c10.RData"

s.rdt2 <- "scenario/18rows/set-0.5b-all.RData"

s.rdt3 <- "scenario/18rows/set-0.5b-all-c01.RData"

list.n <- 2  # S = 50
```
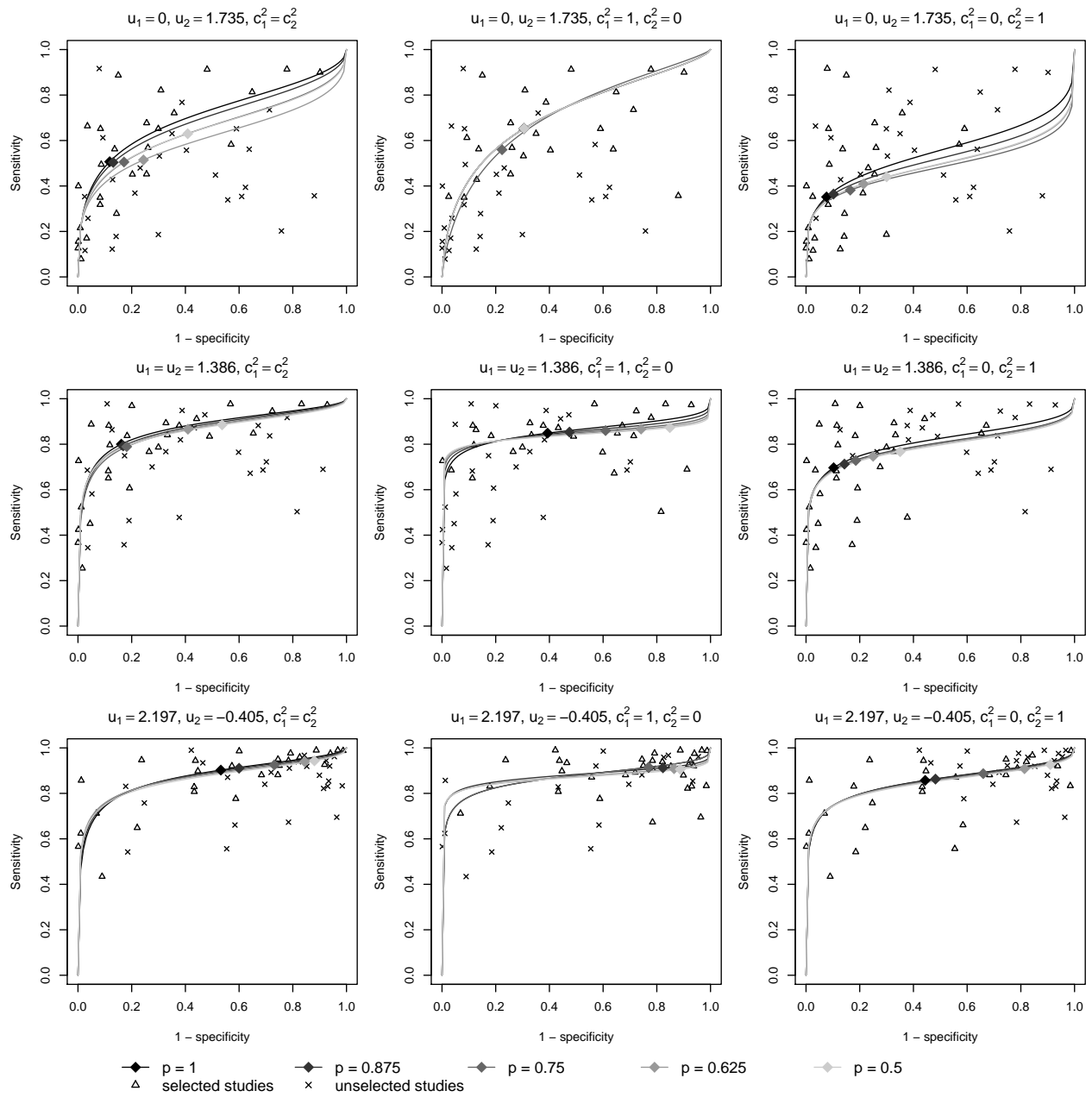
Figure 1, when c11 and c22 are parameters

$u_1 = 0$, $u_2 = 1.735$, $c_1^2 = c_2^2$

$u_1 = 0$, $u_2 = 1.735$, $c_1^2 = 1$, $c_2^2 = 0$

$u_1 = 0$, $u_2 = 1.735$, $c_1^2 = 0$, $c_2^2 = 1$

$u_1 = u_2 = 1.386$, $c_1^2 = c_2^2$

$u_1 = u_2 = 1.386$, $c_1^2 = 1$, $c_2^2 = 0$

$u_1 = u_2 = 1.386$, $c_1^2 = 0$, $c_2^2 = 1$

$u_1 = 2.197$, $u_2 = -0.405$, $c_1^2 = c_2^2$

$u_1 = 2.197$, $u_2 = -0.405$, $c_1^2 = 1$, $c_2^2 = 0$

$u_1 = 2.197$, $u_2 = -0.405$, $c_1^2 = 0$, $c_2^2 = 1$

$p = 1$ $p = 0.875$ $p = 0.75$ $p = 0.625$ $p = 0.5$

△ selected studies   × unselected studies

Sensitivity

1 − specificity

Figure 2, when c11 and c22 are pre-specified

$u_1 = 0, u_2 = 1.735, c_1^2 = c_2^2$

$u_1 = 0, u_2 = 1.735, c_1^2 = 1, c_2^2 = 0$

$u_1 = 0, u_2 = 1.735, c_1^2 = 0, c_2^2 = 1$

$u_1 = u_2 = 1.386, c_1^2 = c_2^2$

$u_1 = u_2 = 1.386, c_1^2 = 1, c_2^2 = 0$

$u_1 = u_2 = 1.386, c_1^2 = 0, c_2^2 = 1$

$u_1 = 2.197, u_2 = -0.405, c_1^2 = c_2^2$

$u_1 = 2.197, u_2 = -0.405, c_1^2 = 1, c_2^2 = 0$

$u_1 = 2.197, u_2 = -0.405, c_1^2 = 0, c_2^2 = 1$

Sensitivity

1 − specificity

p = 1   p = 0.875   p = 0.75   p = 0.625   p = 0.5
△ selected studies   × unselected studies

3