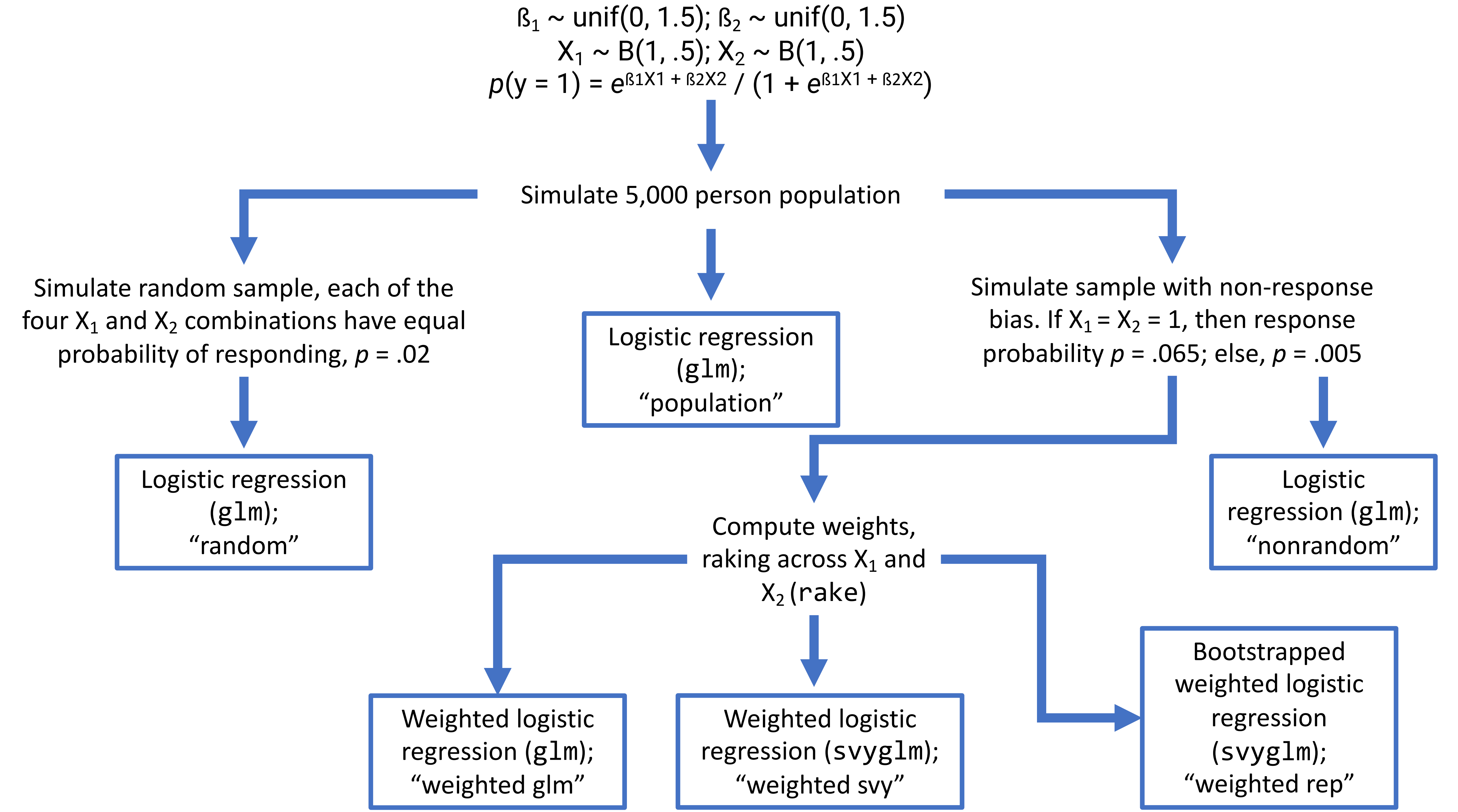
$ß_1 \sim \text{unif}(0, 1.5)$; $ß_2 \sim \text{unif}(0, 1.5)$
$X_1 \sim B(1, .5)$; $X_2 \sim B(1, .5)$
$p(y = 1) = e^{ß1X1 + ß2X2} / (1 + e^{ß1X1 + ß2X2})$
Simulate 5,000 person population
Simulate random sample, each of the four X_1 and X_2 combinations have equal probability of responding, p = .02
Logistic regression (`glm`); "population"
Simulate sample with non-response bias. If $X_1 = X_2 = 1$, then response probability p = .065; else, p = .005
Logistic regression (`glm`); "random"
Compute weights, raking across X_1 and X_2 (`rake`)
Logistic regression (`glm`); "nonrandom"
Bootstrapped weighted logistic regression (`svyglm`); "weighted rep"
Weighted logistic regression (`glm`); "weighted glm"
Weighted logistic regression (`svyglm`); "weighted svy"