Estimates of SAUC with CR, 3 True c vectors

t0.7

Yi

2021-05-03

Print table

```
s.rdt <- "../../scenario/scenario-t0.7/set-t0.7-c11.RData"
dt <- "c11"


# s.rdt <- "../../scenario/scenario-t0.7/set-t0.7-c10.RData"
# dt <- "c10"
#
#
# s.rdt <- "../../scenario/scenario-t0.7/set-t0.7-c01.RData"
# dt <- "c01"
```

With No column

Without No column

Table 1: Estimates of SAUC when true $c_1 = c_2$

			$S = 25$		$S = 50$		$S = 200$	
No.		True	Median (Q1, Q3)	CR	Median (Q1, Q3)	CR	Median (Q1, Q3)	CR
1	Proposed $(\hat{c}_1, \hat{c}_2)$	0.620	0.644 (0.496, 0.734)	99.5	0.619 (0.514, 0.694)	99.4	0.623 (0.573, 0.665)	99.7
	Proposed $(c_1 = c_2)$		0.641 (0.492, 0.733)	99.7	0.627 (0.524, 0.697)	99.6	0.628 (0.580, 0.669)	99.7
	Proposed $(c_1 = 1)$		0.695 (0.595, 0.756)	87.5	0.684 (0.626, 0.732)	78.8	0.690 (0.662, 0.712)	36.4
	Reistma$_O$		0.697 (0.611, 0.760)	100.0	0.691 (0.640, 0.737)	100.0	0.695 (0.667, 0.716)	100.0
	Reistma$_P$		0.630 (0.537, 0.701)	100.0	0.618 (0.561, 0.668)	100.0	0.621 (0.594, 0.649)	100.0
2	Proposed $(\hat{c}_1, \hat{c}_2)$	0.702	0.711 (0.627, 0.769)	99.2	0.710 (0.656, 0.751)	99.5	0.703 (0.680, 0.727)	99.4
	Proposed $(c_1 = c_2)$		0.714 (0.630, 0.770)	99.6	0.709 (0.651, 0.753)	99.6	0.706 (0.679, 0.726)	99.9
	Proposed $(c_1 = 1)$		0.737 (0.683, 0.780)	87.6	0.737 (0.707, 0.769)	74.5	0.736 (0.719, 0.749)	35.9
	Reistma$_O$		0.741 (0.686, 0.782)	99.9	0.742 (0.710, 0.772)	100.0	0.740 (0.722, 0.753)	100.0
	Reistma$_P$		0.708 (0.651, 0.751)	100.0	0.705 (0.669, 0.735)	100.0	0.701 (0.685, 0.716)	100.0
3	Proposed $(\hat{c}_1, \hat{c}_2)$	0.846	0.847 (0.804, 0.873)	99.6	0.849 (0.817, 0.868)	98.9	0.847 (0.835, 0.859)	99.6
	Proposed $(c_1 = c_2)$		0.845 (0.796, 0.873)	99.1	0.847 (0.813, 0.869)	99.1	0.847 (0.834, 0.858)	99.1
	Proposed $(c_1 = 1)$		0.852 (0.815, 0.876)	99.1	0.855 (0.831, 0.873)	98.9	0.859 (0.849, 0.867)	96.7
	Reistma$_O$		0.865 (0.833, 0.884)	100.0	0.868 (0.848, 0.881)	99.9	0.870 (0.861, 0.876)	100.0
	Reistma$_P$		0.844 (0.810, 0.864)	100.0	0.844 (0.823, 0.860)	100.0	0.846 (0.836, 0.854)	100.0
4	Proposed $(\hat{c}_1, \hat{c}_2)$	0.864	0.863 (0.841, 0.877)	99.2	0.865 (0.851, 0.875)	98.3	0.865 (0.857, 0.870)	99.4
	Proposed $(c_1 = c_2)$		0.863 (0.841, 0.878)	98.9	0.865 (0.850, 0.875)	99.3	0.864 (0.857, 0.870)	99.5
	Proposed $(c_1 = 1)$		0.866 (0.846, 0.879)	99.2	0.868 (0.856, 0.877)	99.1	0.869 (0.864, 0.875)	96.2
	Reistma$_O$		0.873 (0.856, 0.885)	100.0	0.876 (0.866, 0.884)	100.0	0.877 (0.872, 0.881)	100.0
	Reistma$_P$		0.861 (0.845, 0.874)	100.0	0.863 (0.853, 0.872)	100.0	0.864 (0.859, 0.868)	100.0
5	Proposed $(\hat{c}_1, \hat{c}_2)$	0.877	0.869 (0.830, 0.894)	99.0	0.877 (0.853, 0.893)	99.5	0.878 (0.866, 0.889)	99.6
	Proposed $(c_1 = c_2)$		0.868 (0.831, 0.893)	99.3	0.876 (0.853, 0.892)	99.5	0.877 (0.864, 0.887)	99.5
	Proposed $(c_1 = 1)$		0.858 (0.813, 0.890)	98.9	0.867 (0.837, 0.887)	99.5	0.867 (0.853, 0.880)	99.6
	Reistma$_O$		0.873 (0.835, 0.900)	100.0	0.880 (0.856, 0.897)	100.0	0.881 (0.869, 0.891)	100.0
	Reistma$_P$		0.870 (0.836, 0.893)	100.0	0.877 (0.856, 0.892)	100.0	0.877 (0.866, 0.886)	100.0
6	Proposed $(\hat{c}_1, \hat{c}_2)$	0.835	0.833 (0.788, 0.869)	99.2	0.835 (0.805, 0.864)	99.0	0.838 (0.823, 0.853)	99.0
	Proposed $(c_1 = c_2)$		0.829 (0.785, 0.864)	99.7	0.834 (0.803, 0.860)	99.8	0.836 (0.822, 0.849)	99.6
	Proposed $(c_1 = 1)$		0.818 (0.775, 0.856)	98.9	0.823 (0.794, 0.851)	98.9	0.829 (0.815, 0.842)	99.4
	Reistma$_O$		0.832 (0.792, 0.867)	100.0	0.838 (0.811, 0.862)	100.0	0.843 (0.830, 0.855)	100.0
	Reistma$_P$		0.826 (0.786, 0.860)	100.0	0.832 (0.805, 0.855)	99.9	0.836 (0.822, 0.846)	100.0

Note:
Proposed $(hatc_1, hatc_2)$ is the proposed model estimating (c_1, c_2); Proposed $(c_1 = c_2)$ is the proposed model correctly specifying that $c_1 = c_2$; Proposed $(c_1 = 1)$ is the proposed model misspecifying that $(c_1, c_2) = (1, 0)$; Reitsma$_O$ is Reitsma model based on the observed studies; and Reitsma$_P$ is Reitsma model based on the population studies.