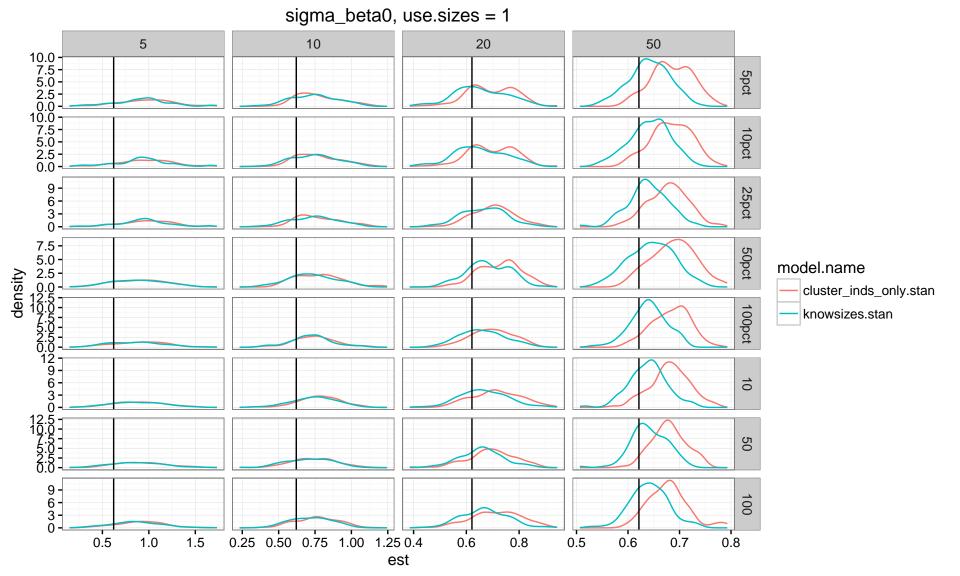


alpha0, use.sizes = 1 5 10 20 50 6 -4 -2 -0 -5pct 10pct 25pct 50pct model.name cluster_inds_only.stan 100pct knowsizes.stan 6 -10 50 6 -4 -2 -0 -100 -1.5 -1.0 -0.5 -2.0 -i.6 -1.2 -0.82.1 -1.8 **−1.5 −1.2** -1.9 -1.8 -1.7 -1.6 -1.5 -1.4 est

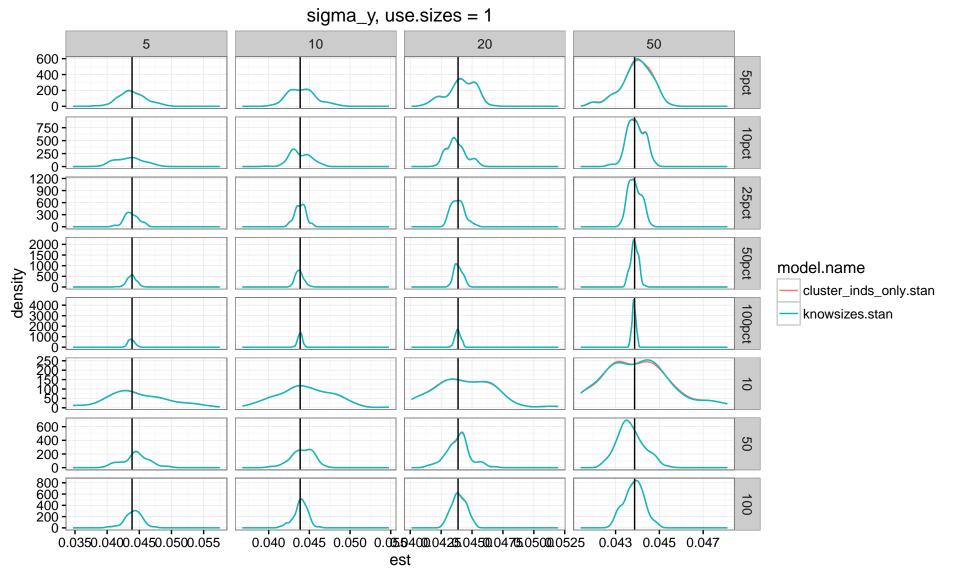
gamma0, use.sizes = 1 5 10 20 50 5pct 10pct 25pct 50pct model.name knowsizes.stan 100pct 10 50 -0.5 0.0 1.0 0.0 0.5 2 0.5 0.00 0.25 0.50 0.75 1.00 -0.5 1.0 0 est

alpha1, use.sizes = 1 5 10 20 50 150 -100 -50 -5pct 150 **-**100 **-**10pct 50 -150 -25pct 100 -50 -0 150 -50pct 100 density 0 200 150 100 50 model.name cluster_inds_only.stan 100pct knowsizes.stan 150 -100 -50 -10 150 **-**100 -50 50 -0 150 **-**100 **-**100 50 -1.2 1.8 1.2 1.3 1.4 1.5 1.3 1.4 1.5 1.4 1.5 1.4 1.6 1.6 1.6 1.6 est

gamma1, use.sizes = 1 5 10 20 50 60 -5pct 40 -20 -10pct 40 -20 -60 -40 -20 -0 -25pct 60 -40 -20 -75 -50 -25 -50pct model.name knowsizes.stan 100pct 60 -40 -20 -10 60 -40 -50 20 -60 -40 -100 20 --0.6 -0.4 -0.75 -0.70 -0.65 -0.750 - 0.725 - 0.700 - 0.675 - 0.73 - 0.72 - 0.71 - 0.70-0.8est



sigma_beta1, use.sizes = 1 5 10 20 50 300 -200 -5pct 100 -0 300 10pct 200 -100 -300 -25pct 200 -100 -0 300 - 200 - 50pct model.name density 300 -200 -100 cluster_inds_only.stan 100pct knowsizes.stan 200 -10 100 -0 -300 -200 -100 -50 0 200 -100 100 -0.2 0.6 0.80.0 0.2 0.1 0.4 0.0 0.4 0.2 0.3 0.4 0.00 0.25 0.50 0.75 1.000.0 est



ybar_new, use.sizes = 1 5 10 20 50 8-6-4-2-5pct 7.5 -5.0 -2.5 -0.0 -10pct 25pct 50pct model.name density cluster_inds_only.stan 100pct knowsizes.stan 4 -10 6 50 2 -6 -4 -2 -0 -100 -0.52.1 -1.8 −1.5 −1.2 -2.0 -1.8 -1.6 -1.4 -1.2 -1.7 -1.6 -1.5-1.5 -1.0est