

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.03)**

Under average intervention effects model and delta = 0.5

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	6	3	2	360	normal	identity	2.4872569	0.7010049	0.2684725
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with exponential decay correlation structure and
(alpha0,r0):(0.03, 0.8)**

Under average intervention effects model and delta = 0.5

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	6	3	2	360	normal	identity	2.5251774	0.7140357	0.278967
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.015)**

Under average intervention effects model and delta = 0.5

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	6	3	2	360	normal	identity	2.5837896	0.733629	0.2957944
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with block exchangeable correlation structure and
(alpha1,alpha2,alpha3):(0.03, 0.015, 0.2)
Under average intervention effects model and delta = 0.5**

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	6	3	2	360	normal	identity	2.4807745	0.6987506	0.2667098
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with proportional decay correlation structure and
(alpha0,r0):(0.03, 0.7)**

Under average intervention effects model and delta = 0.5

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	6	3	2	360	normal	identity	1.9234487	0.4854358	0.1485419
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.03)**

Under average intervention effects model and delta = 0.7

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	6	3	2	360	normal	identity	3.4821597	0.93602	0.608019
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with exponential decay correlation structure and
(alpha0,r0):(0.03, 0.8)**

Under average intervention effects model and delta = 0.7

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	6	3	2	360	normal	identity	3.5352483	0.9424046	0.6262154
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.015)**

Under average intervention effects model and delta = 0.7

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	6	3	2	360	normal	identity	3.6173055	0.9512748	0.6534765
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with block exchangeable correlation structure and
(alpha1,alpha2,alpha3):(0.03, 0.015, 0.2)
Under average intervention effects model and delta = 0.7**

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	6	3	2	360	normal	identity	3.4730843	0.9348755	0.604869
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with proportional decay correlation structure and
(alpha0,r0):(0.03, 0.7)**

Under average intervention effects model and delta = 0.7

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	6	3	2	360	normal	identity	2.6928282	0.7681794	0.3289857
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.03)**

Under average intervention effects model and delta = 0.5

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	12	9	2	360	normal	identity	2.6488308	0.7545465	0.6460093
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with exponential decay correlation structure and
(alpha0,r0):(0.03, 0.8)**

Under average intervention effects model and delta = 0.5

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	12	9	2	360	normal	identity	2.7347755	0.7807745	0.6761319
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.015)**

Under average intervention effects model and delta = 0.5

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	12	9	2	360	normal	identity	2.7569456	0.7872691	0.6836985
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with block exchangeable correlation structure and
(alpha1,alpha2,alpha3):(0.03, 0.015, 0.2)
Under average intervention effects model and delta = 0.5**

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	12	9	2	360	normal	identity	2.5437796	0.7203278	0.6076994
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with proportional decay correlation structure and
(alpha0,r0):(0.03, 0.7)**

Under average intervention effects model and delta = 0.5

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	12	9	2	360	normal	identity	1.9786786	0.5074656	0.3916114
				-0.05						
				0.5						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.03)**

Under average intervention effects model and delta = 0.7

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	12	9	2	360	normal	identity	3.7083631	0.9598025	0.9089853
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with exponential decay correlation structure and
(alpha0,r0):(0.03, 0.8)**

Under average intervention effects model and delta = 0.7

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	12	9	2	360	normal	identity	3.8286856	0.9691692	0.9241665
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.015)**

Under average intervention effects model and delta = 0.7

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	12	9	2	360	normal	identity	3.8597238	0.9712677	0.9276981
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with block exchangeable correlation structure and
(alpha1,alpha2,alpha3):(0.03, 0.015, 0.2)**

Under average intervention effects model and delta = 0.7

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	12	9	2	360	normal	identity	3.5612915	0.9453478	0.8869047
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with proportional decay correlation structure and
(alpha0,r0):(0.03, 0.7)**

Under average intervention effects model and delta = 0.7

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	12	9	2	360	normal	identity	2.77015	0.7910834	0.6881629
				-0.05						
				0.7						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.03)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	6	3	2	360	normal	identity	2.3738871	0.6605348	0.2389706
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with exponential decay correlation structure and
(alpha0,r0):(0.03, 0.8)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	6	3	2	360	normal	identity	2.4743939	0.6965243	0.2649836
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.015)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	6	3	2	360	normal	identity	2.504915	0.7071064	0.2733206
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with block exchangeable correlation structure and
(alpha1,alpha2,alpha3):(0.03, 0.015, 0.2)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	6	3	2	360	normal	identity	2.3217609	0.6412481	0.2263517
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with proportional decay correlation structure and
(alpha0,r0):(0.03, 0.7)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	6	3	2	360	normal	identity	1.7195652	0.4050106	0.1198426
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.03)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	6	3	2	360	normal	identity	2.9673589	0.8431275	0.4217457
				-0.05						
				1						

**The fast GEE power of normal outcomes with exponential decay correlation structure and
(alpha0,r0):(0.03, 0.8)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	6	3	2	360	normal	identity	3.0929924	0.8713988	0.4671793
				-0.05						
				1						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.015)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	6	3	2	360	normal	identity	3.1311437	0.8792367	0.4811546
				-0.05						
				1						

**The fast GEE power of normal outcomes with block exchangeable correlation structure and
(alpha1,alpha2,alpha3):(0.03, 0.015, 0.2)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	6	3	2	360	normal	identity	2.9022011	0.8269644	0.3987515
				-0.05						
				1						

**The fast GEE power of normal outcomes with proportional decay correlation structure and
(alpha0,r0):(0.03, 0.7)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	6	3	2	360	normal	identity	2.1494565	0.5751466	0.1887924
				-0.05						
				1						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.03)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	12	9	2	360	normal	identity	2.5651617	0.7274762	0.6156134
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with exponential decay correlation structure and
(alpha0,r0):(0.03, 0.8)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	12	9	2	360	normal	identity	2.6989906	0.7700546	0.6637374
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.015)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	12	9	2	360	normal	identity	2.6995706	0.7702306	0.6639401
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with block exchangeable correlation structure and
(alpha1,alpha2,alpha3):(0.03, 0.015, 0.2)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	12	9	2	360	normal	identity	2.3856835	0.6648439	0.5477975
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with proportional decay correlation structure and
(alpha0,r0):(0.03, 0.7)**

Under incremental intervention effects model and delta = 0.8

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	12	9	2	360	normal	identity	1.7689407	0.4242537	0.3168351
				-0.05						
				0.8						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.03)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	12	9	2	360	normal	identity	3.2064521	0.8937074	0.8151614
				-0.05						
				1						

**The fast GEE power of normal outcomes with exponential decay correlation structure and
(alpha0,r0):(0.03, 0.8)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stddei	zpower	tpower
22	6	12	9	2	360	normal	identity	3.3737382	0.9212859	0.8524354
				-0.05						
				1						

**The fast GEE power of normal outcomes with nested exchangeable correlation structure and
(alpha1,alpha2):(0.03, 0.015)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stdde1	zpower	tpower
22	6	12	9	2	360	normal	identity	3.3744632	0.9213923	0.8525832
				-0.05						
				1						

**The fast GEE power of normal outcomes with block exchangeable correlation structure and
(alpha1,alpha2,alpha3):(0.03, 0.015, 0.2)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	12	9	2	360	normal	identity	2.9821043	0.8466428	0.7550846
				-0.05						
				1						

**The fast GEE power of normal outcomes with proportional decay correlation structure and
(alpha0,r0):(0.03, 0.7)**

Under incremental intervention effects model and delta = 1.0

T	S	clusters	df	theta	totaln	Dist	Link	stdel	zpower	tpower
22	6	12	9	2	360	normal	identity	2.2111759	0.5991749	0.480227
				-0.05						
				1						