Figure 1: 30 Monte Carlo simulations for $\mathcal{B}_c$ with $B = 200$, $k = 5$, $p = 13$, $\mu_\alpha = 2$, $X_{i,t} \overset{iid}{\sim} \Gamma(1, 2)$, $\delta_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\delta^2 \mathbf{I}_p)$, $\gamma_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\gamma^2 \mathbf{I}_p)$ with $\sigma_\delta = \sigma_\gamma = 0.5$

n	σ_α	$\hat{\alpha}_{\text{adj}}$	$\hat{\alpha}_{\text{wadj}}$	$\hat{\alpha}_{\text{IVW}}$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{adj}}})$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{wadj}}})$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{IVW}}})$	$\bar{\mathcal{C}}^{(k)}(\mathcal{A})$
	5	1 (0)	1 (0)	1 (0)	0.893 (0.025)	0.9 (0.023)	0.893 (0.025)	0.353 (0.038)
	10	1 (0)	1 (0)	1 (0)	0.887 (0.025)	0.887 (0.025)	0.887 (0.025)	0.373 (0.05)
5	25	1 (0)	1 (0)	1 (0)	0.78 (0.028)	0.827 (0.025)	0.787 (0.027)	0.44 (0.049)
	50	0.9 (0.056)	0.967 (0.033)	0.933 (0.046)	0.66 (0.037)	0.647 (0.04)	0.653 (0.038)	0.447 (0.056)
	100	0.767 (0.079)	0.967 (0.033)	0.8 (0.074)	0.567 (0.043)	0.527 (0.044)	0.573 (0.043)	0.493 (0.051)
	5	1 (0)	1 (0)	1 (0)	0.913 (0.021)	0.92 (0.023)	0.913 (0.021)	0.247 (0.033)
	10	1 (0)	1 (0)	1 (0)	0.893 (0.023)	0.893 (0.025)	0.893 (0.023)	0.293 (0.03)
10	25	1 (0)	1 (0)	1 (0)	0.747 (0.034)	0.78 (0.031)	0.767 (0.035)	0.3 (0.043)
	50	0.833 (0.069)	1 (0)	0.8 (0.074)	0.587 (0.041)	0.633 (0.042)	0.593 (0.04)	0.373 (0.049)
	100	0.8 (0.074)	0.933 (0.046)	0.8 (0.074)	0.473 (0.038)	0.507 (0.042)	0.46 (0.042)	0.413 (0.047)
	5	1 (0)	1 (0)	1 (0)	0.913 (0.021)	0.927 (0.022)	0.913 (0.021)	0.313 (0.049)
	10	1 (0)	1 (0)	1 (0)	0.873 (0.024)	0.887 (0.025)	0.873 (0.024)	0.313 (0.04)
15	25	1 (0)	1 (0)	1 (0)	0.753 (0.031)	0.78 (0.028)	0.76 (0.029)	0.367 (0.035)
	50	0.933 (0.046)	1 (0)	0.9 (0.056)	0.607 (0.043)	0.693 (0.034)	0.64 (0.041)	0.407 (0.036)
	100	0.667 (0.088)	1 (0)	0.633 (0.089)	0.553 (0.043)	0.507 (0.04)	0.553 (0.04)	0.473 (0.041)
	5	1 (0)	1 (0)	1 (0)	0.953 (0.016)	0.94 (0.02)	0.953 (0.016)	0.293 (0.038)
	10	1 (0)	1 (0)	1 (0)	0.927 (0.02)	0.913 (0.023)	0.927 (0.02)	0.3 (0.036)
25	25	1 (0)	1 (0)	1 (0)	0.78 (0.035)	0.787 (0.036)	0.773 (0.036)	0.313 (0.038)
	50	0.9 (0.056)	1 (0)	0.9 (0.056)	0.573 (0.039)	0.6 (0.043)	0.58 (0.04)	0.34 (0.036)
	100	0.833 (0.069)	1 (0)	0.8 (0.074)	0.493 (0.042)	0.48 (0.039)	0.5 (0.039)	0.393 (0.034)

Figure 2: 30 Monte Carlo simulation with $B = 200$, $p = 13$, $\mu_\alpha = 2$, $X_{i,t} \overset{iid}{\sim} \Gamma(1,2)$, $\delta_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\delta^2 \mathbf{I}_p)$, $\gamma_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\gamma^2 \mathbf{I}_p)$ with $\sigma_\delta = \sigma_\gamma = 0.5$ and $\sigma = 10$

		Distance to α_1			Distance to y_{1,T_1^*+1}			
n	σ_α	$\hat{\alpha}_{\text{adj}}$	$\hat{\alpha}_{\text{wadj}}$	$\hat{\alpha}_{\text{IVW}}$	Original	$\hat{\alpha}_{\text{adj}}$	$\hat{\alpha}_{\text{wadj}}$	$\hat{\alpha}_{\text{IVW}}$
	5	12.765 (1.637)	13.231 (1.881)	12.601 (1.636)	51.916 (4.035)	19.229 (2.552)	20.637 (2.762)	19.363 (2.517)
	10	15.403 (1.741)	16.235 (2.043)	15.247 (1.687)	52.582 (4.351)	21.565 (2.58)	23.38 (2.861)	21.716 (2.5)
5	25	26.509 (2.702)	28.16 (3.168)	26.294 (2.569)	55.015 (5.841)	30.297 (3.594)	31.985 (4.356)	30.203 (3.498)
	50	48.402 (4.82)	50.384 (5.792)	47.957 (4.684)	64.423 (8.114)	49.999 (5.784)	52.556 (6.919)	49.553 (5.702)
	100	92.917 (9.805)	95.821 (11.622)	91.916 (9.74)	91.506 (13.198)	94.265 (10.406)	97.256 (12.565)	93.606 (10.267)
	5	11.588 (1.668)	12.577 (1.701)	11.292 (1.693)	52.339 (4.004)	17.228 (2.956)	18.545 (2.835)	17.392 (2.951)
	10	13.572 (2.002)	15.634 (2)	13.308 (2.038)	52.587 (4.045)	19.02 (3.238)	20.952 (3.135)	19.232 (3.243)
10	25	24.4 (3.298)	28.426 (3.39)	24.522 (3.287)	54.073 (4.967)	27.655 (4.554)	31.789 (4.472)	27.845 (4.605)
	50	45.878 (5.881)	51.615 (6.431)	45.944 (5.936)	60.317 (7.527)	47.699 (7.043)	52.972 (7.542)	47.776 (7.167)
	100	89.047 (11.745)	100.732 (12.454)	88.822 (11.959)	85.601 (12.994)	89.855 (12.815)	100.736 (13.614)	90.4 (12.907)
	5	11.299 (2.119)	11.316 (1.655)	11.313 (2.118)	49.855 (4.014)	18.071 (2.883)	18.375 (2.711)	18.038 (2.882)
	10	12.971 (2.13)	12.613 (1.735)	12.927 (2.15)	48.728 (4.298)	19.451 (2.965)	19.352 (2.856)	19.323 (2.995)
15	25	20.943 (2.342)	20.059 (2.43)	21.097 (2.347)	47.06 (5.131)	26.161 (3.312)	26.81 (3.126)	26.234 (3.33)
	50	35.106 (3.875)	35.521 (4.39)	35.505 (3.859)	48.75 (6.862)	40.268 (4.434)	42.092 (4.488)	40.77 (4.38)
	100	63.736 (8.09)	68.358 (8.848)	64.566 (8.034)	64.294 (11.108)	68.846 (8.266)	74.075 (8.719)	69.907 (8.138)
	5	12.342 (1.558)	9.979 (1.423)	12.441 (1.56)	57.603 (6.938)	21.583 (5.896)	20.004 (5.861)	21.577 (5.901)
	10	14.011 (1.847)	11.716 (1.735)	14.087 (1.851)	56.795 (7.008)	22.198 (5.968)	20.469 (5.887)	22.217 (5.97)
25	25	23.552 (3.405)	22.058 (3.074)	23.763 (3.37)	56.583 (7.489)	28.96 (6.488)	27.064 (6.194)	29.028 (6.484)
	50	42.906 (6.704)	41.323 (6.073)	43.289 (6.639)	64.333 (8.753)	47.157 (8.276)	46.299 (7.257)	47.351 (8.255)
	100	86.175 (13.071)	82.99 (11.945)	86.658 (12.997)	95.612 (13.023)	90.1 (13.293)	86.813 (11.747)	90.553 (13.229)

Figure 3: 30 Monte Carlo simulations for $\mathcal{B}_c$ with $B = 200$, $k = 5$, $p = 13$, $\mu_\alpha = 2$, $X_{i,t} \overset{iid}{\sim} \Gamma(1, 2)$, $\delta_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\delta^2 \mathbf{I}_p)$, $\gamma_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\gamma^2 \mathbf{I}_p)$ with $\sigma_\delta = \sigma_\gamma = 0.5$

σ	σ_α	$\hat{\alpha}_{\text{adj}}$	$\hat{\alpha}_{\text{wadj}}$	$\hat{\alpha}_{\text{IVW}}$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{adj}}})$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{wadj}}})$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{IVW}}})$	$\bar{\mathcal{C}}^{(k)}(\mathcal{A})$
	5	1 (0)	1 (0)	1 (0)	0.987 (0.009)	0.987 (0.009)	0.987 (0.009)	0.4 (0.038)
	10	1 (0)	1 (0)	1 (0)	0.913 (0.025)	0.953 (0.018)	0.92 (0.025)	0.46 (0.041)
5	25	0.967 (0.033)	1 (0)	0.967 (0.033)	0.833 (0.03)	0.893 (0.025)	0.833 (0.03)	0.427 (0.044)
	50	0.867 (0.063)	1 (0)	0.867 (0.063)	0.673 (0.038)	0.693 (0.03)	0.673 (0.038)	0.38 (0.04)
	100	0.7 (0.085)	0.933 (0.046)	0.767 (0.079)	0.52 (0.044)	0.507 (0.039)	0.513 (0.046)	0.513 (0.047)
	5	1 (0)	1 (0)	1 (0)	0.927 (0.018)	0.933 (0.02)	0.933 (0.018)	0.267 (0.032)
	10	1 (0)	1 (0)	1 (0)	0.86 (0.029)	0.893 (0.027)	0.873 (0.026)	0.367 (0.042)
10	25	0.967 (0.033)	1 (0)	0.967 (0.033)	0.78 (0.034)	0.82 (0.032)	0.787 (0.033)	0.293 (0.038)
	50	0.933 (0.046)	1 (0)	0.9 (0.056)	0.66 (0.039)	0.667 (0.038)	0.66 (0.039)	0.32 (0.04)
	100	0.767 (0.079)	0.967 (0.033)	0.7 (0.085)	0.54 (0.05)	0.54 (0.042)	0.553 (0.045)	0.427 (0.053)
	5	0.967 (0.033)	1 (0)	1 (0)	0.78 (0.029)	0.773 (0.027)	0.787 (0.029)	0.22 (0.031)
	10	1 (0)	1 (0)	1 (0)	0.807 (0.031)	0.793 (0.032)	0.807 (0.028)	0.213 (0.034)
25	25	1 (0)	1 (0)	1 (0)	0.72 (0.03)	0.767 (0.027)	0.713 (0.03)	0.247 (0.04)
	50	0.867 (0.063)	0.967 (0.033)	0.867 (0.063)	0.547 (0.039)	0.567 (0.044)	0.52 (0.044)	0.353 (0.037)
	100	0.9 (0.056)	1 (0)	0.867 (0.063)	0.54 (0.036)	0.54 (0.04)	0.56 (0.041)	0.393 (0.048)
	5	0.833 (0.069)	0.733 (0.082)	0.8 (0.074)	0.54 (0.039)	0.573 (0.04)	0.553 (0.037)	0.193 (0.032)
	10	0.767 (0.079)	0.8 (0.074)	0.767 (0.079)	0.533 (0.041)	0.553 (0.048)	0.527 (0.043)	0.233 (0.03)
50	25	0.733 (0.082)	0.8 (0.074)	0.733 (0.082)	0.58 (0.042)	0.58 (0.044)	0.573 (0.045)	0.213 (0.033)
	50	0.8 (0.074)	0.833 (0.069)	0.8 (0.074)	0.587 (0.044)	0.533 (0.041)	0.6 (0.041)	0.293 (0.049)
	100	0.5 (0.093)	0.733 (0.082)	0.533 (0.093)	0.507 (0.054)	0.48 (0.054)	0.513 (0.054)	0.307 (0.045)
	5	0.433 (0.092)	0.367 (0.089)	0.433 (0.092)	0.473 (0.044)	0.467 (0.039)	0.467 (0.042)	0.193 (0.034)
	10	0.633 (0.089)	0.6 (0.091)	0.667 (0.088)	0.513 (0.037)	0.487 (0.041)	0.507 (0.039)	0.227 (0.034)
100	25	0.567 (0.092)	0.6 (0.091)	0.567 (0.092)	0.507 (0.045)	0.533 (0.036)	0.487 (0.04)	0.213 (0.041)
	50	0.533 (0.093)	0.433 (0.092)	0.5 (0.093)	0.473 (0.042)	0.487 (0.048)	0.493 (0.046)	0.187 (0.033)
	100	0.633 (0.089)	0.633 (0.089)	0.633 (0.089)	0.427 (0.04)	0.413 (0.039)	0.453 (0.039)	0.173 (0.03)

Figure 4: 30 Monte Carlo simulations with $B = 200$, $p = 13$, $\mu_\alpha = 2$, $X_{i,t} \overset{iid}{\sim} \Gamma(1,2)$, $\delta_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\delta^2 \mathbf{I}_p)$, $\gamma_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\gamma^2 \mathbf{I}_p)$ with $\sigma_\delta = \sigma_\gamma = 0.5$

		Distance to α_1			Distance to y_{1,T_1^*+1}			
σ	σ_α	$\hat{\alpha}_{\text{adj}}$	$\hat{\alpha}_{\text{wadj}}$	$\hat{\alpha}_{\text{IVW}}$	Original	$\hat{\alpha}_{\text{adj}}$	$\hat{\alpha}_{\text{wadj}}$	$\hat{\alpha}_{\text{IVW}}$
	5	10.562 (1.38)	11.108 (1.331)	10.559 (1.368)	53.272 (2.587)	10.906 (1.702)	11.772 (1.548)	10.805 (1.693)
	10	14.658 (2.087)	14.699 (2.019)	14.812 (2.043)	50.857 (3.832)	18.057 (2.176)	17.258 (2.168)	18.248 (2.167)
5	25	16.227 (2.878)	21.425 (3.383)	16.401 (2.794)	60.52 (3.97)	16.089 (2.397)	19.83 (3.054)	15.874 (2.38)
	50	52.799 (6.586)	55.199 (7.006)	53.603 (6.621)	54.646 (6.95)	51.793 (6.871)	53.827 (7.265)	52.597 (6.907)
	100	87.267 (12.344)	87.412 (12.747)	85.94 (12.462)	104.729 (12.998)	88.311 (12.165)	88.876 (12.627)	86.723 (12.353)
	5	10.577 (1.643)	10.821 (1.49)	10.503 (1.677)	58.17 (4.175)	18.168 (2.608)	16.588 (2.389)	18.087 (2.631)
	10	16.368 (2.155)	17.833 (2.344)	16.367 (2.141)	52.808 (4.073)	19.05 (2.487)	19.673 (2.66)	18.953 (2.527)
10	25	25.496 (3.354)	28.583 (3.801)	25.68 (3.326)	61.531 (5.693)	28.552 (4.067)	31.824 (4.272)	28.76 (4.068)
	50	43.453 (4.948)	37.896 (4.107)	42.966 (4.79)	56.306 (8.027)	47.33 (4.893)	41.435 (4.392)	46.859 (4.786)
	100	82.216 (11.201)	85.027 (11.761)	83.704 (11.299)	84.376 (11.621)	82.913 (11.772)	84.5 (12.391)	84.302 (11.928)
	5	13.319 (2.007)	19.166 (2.159)	13.477 (1.999)	56.35 (6.1)	25.543 (4.059)	30.487 (4.611)	25.944 (4.024)
	10	14.05 (2.112)	13.921 (1.886)	13.549 (2.127)	49.803 (5.239)	25.038 (4.382)	26.736 (3.64)	24.859 (4.383)
25	25	27.79 (3.925)	28.934 (3.965)	27.191 (3.898)	54.208 (6.515)	44.166 (6.656)	43.406 (6.945)	43.894 (6.634)
	50	45.468 (6.601)	42.377 (7.682)	46.114 (6.762)	66.514 (7.857)	46.185 (8.039)	44.828 (9.307)	46.544 (8.266)
	100	73.253 (11.936)	72.662 (12.233)	73.488 (12.207)	109.212 (13.286)	78.472 (12.454)	83.987 (12.004)	78.57 (12.746)
	5	15.881 (2.607)	22.049 (2.612)	16.25 (2.469)	75.294 (10.753)	63.508 (8.302)	64.245 (8.876)	63.321 (8.397)
	10	17.42 (2.326)	25.045 (3.159)	17.085 (2.506)	57.591 (5.998)	48.513 (8.317)	50.585 (8.63)	48.084 (8.362)
50	25	33.787 (4.949)	35.565 (4.744)	33.804 (4.853)	77.206 (12.032)	54.729 (9.473)	54.757 (10.243)	54.205 (9.616)
	50	49.968 (7.756)	48.104 (7.852)	49.799 (7.782)	90.476 (10.213)	68.882 (9.203)	68.284 (10.479)	68.802 (9.284)
	100	86.505 (12.87)	96.391 (12.83)	85.382 (12.875)	111.088 (17.54)	102.473 (16.681)	110.154 (15.869)	101.533 (16.522)
	5	39.778 (4.596)	51.556 (6.109)	38.824 (4.638)	214.072 (67.401)	195.463 (67.654)	197.51 (68.449)	196.582 (67.514)
	10	30.879 (4.252)	43.222 (6.306)	30.976 (4.423)	120.85 (15.395)	114.786 (15.511)	119.186 (15.753)	114.018 (15.737)
100	25	39.438 (5.145)	50.728 (7.764)	37.086 (5.06)	97.844 (13.747)	95.017 (14.884)	100.042 (16.936)	96.234 (14.708)
	50	51.762 (8.222)	80.316 (11.128)	52.989 (8.062)	141.223 (24.512)	136.115 (25.728)	150.625 (27.619)	135.256 (25.391)
	100	66.318 (9.896)	84.198 (11.756)	68.163 (10.239)	95.531 (12.8)	103.008 (14.12)	103.307 (16.269)	105.792 (14.325)

Figure 5: 30 Monte Carlo simulations for $\mathcal{B}_u$ with $B = 200$, $k = 5$, $p = 13$, $\mu_\alpha = 2$, $X_{i,t} \overset{iid}{\sim} \Gamma(1, 2)$, $\delta_i \sim \mathcal{N}(2\mathbf{1}_p, \sigma_\delta^2 \mathbf{I}_p)$, $\gamma_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\gamma^2 \mathbf{I}_p)$ with $\sigma_\delta = \sigma_\gamma = 0.5$ and $\sigma = 10$

		Guess			LOOCV with k random draws			
n	σ_α	$\hat{\alpha}_{\text{adj}}$	$\hat{\alpha}_{\text{wadj}}$	$\hat{\alpha}_{\text{IVW}}$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{adj}}})$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{wadj}}})$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{IVW}}})$	$\bar{\mathcal{C}}^{(k)}(\mathcal{A})$
	5	1 (0)	1 (0)	1 (0)	0.92 (0.021)	0.96 (0.015)	0.92 (0.021)	0.36 (0.046)
	10	1 (0)	1 (0)	1 (0)	0.9 (0.021)	0.92 (0.018)	0.9 (0.021)	0.4 (0.041)
5	25	0.967 (0.033)	1 (0)	0.967 (0.033)	0.8 (0.023)	0.813 (0.023)	0.8 (0.025)	0.427 (0.044)
	50	0.833 (0.069)	0.867 (0.063)	0.867 (0.063)	0.553 (0.05)	0.573 (0.045)	0.547 (0.052)	0.38 (0.049)
	100	0.467 (0.093)	0.733 (0.082)	0.467 (0.093)	0.48 (0.045)	0.48 (0.042)	0.46 (0.044)	0.373 (0.048)
	5	1 (0)	1 (0)	1 (0)	0.953 (0.016)	0.953 (0.018)	0.953 (0.016)	0.327 (0.041)
	10	1 (0)	1 (0)	1 (0)	0.92 (0.025)	0.913 (0.027)	0.92 (0.025)	0.333 (0.041)
10	25	0.9 (0.056)	0.967 (0.033)	0.933 (0.046)	0.767 (0.041)	0.787 (0.039)	0.753 (0.045)	0.313 (0.04)
	50	0.767 (0.079)	0.8 (0.074)	0.767 (0.079)	0.553 (0.044)	0.64 (0.043)	0.547 (0.045)	0.307 (0.036)
	100	0.633 (0.089)	0.7 (0.085)	0.633 (0.089)	0.527 (0.041)	0.533 (0.046)	0.507 (0.043)	0.333 (0.04)
	5	1 (0)	1 (0)	1 (0)	0.92 (0.021)	0.927 (0.02)	0.92 (0.021)	0.313 (0.046)
	10	1 (0)	1 (0)	1 (0)	0.92 (0.021)	0.907 (0.023)	0.92 (0.021)	0.3 (0.034)
15	25	1 (0)	1 (0)	1 (0)	0.827 (0.03)	0.833 (0.029)	0.833 (0.03)	0.353 (0.038)
	50	0.9 (0.056)	0.933 (0.046)	0.9 (0.056)	0.707 (0.033)	0.667 (0.038)	0.687 (0.035)	0.333 (0.039)
	100	0.7 (0.085)	0.733 (0.082)	0.7 (0.085)	0.54 (0.046)	0.607 (0.039)	0.54 (0.046)	0.313 (0.045)
	5	1 (0)	1 (0)	1 (0)	0.9 (0.027)	0.907 (0.025)	0.9 (0.027)	0.273 (0.035)
	10	1 (0)	1 (0)	1 (0)	0.873 (0.028)	0.893 (0.025)	0.873 (0.028)	0.3 (0.033)
25	25	1 (0)	1 (0)	1 (0)	0.733 (0.034)	0.74 (0.042)	0.733 (0.034)	0.293 (0.031)
	50	0.833 (0.069)	0.867 (0.063)	0.833 (0.069)	0.553 (0.047)	0.56 (0.047)	0.553 (0.047)	0.293 (0.036)
	100	0.767 (0.079)	0.733 (0.082)	0.767 (0.079)	0.48 (0.048)	0.493 (0.039)	0.487 (0.049)	0.307 (0.047)

Figure 6: 30 Monte Carlo simulations for $\mathcal{B}_u$ with $B = 200$, $k = 5$, $p = 13$, $\mu_\alpha = 2$, $X_{i,t} \overset{iid}{\sim} \Gamma(1, 2)$, $\delta_i \sim \mathcal{N}(2\mathbf{1}_p, \sigma_\delta^2 \mathbf{I}_p)$, $\gamma_i \sim \mathcal{N}(\mathbf{1}_p, \sigma_\gamma^2 \mathbf{I}_p)$ with $\sigma_\delta = \sigma_\gamma = 0.5$ and $\sigma = 10$

		Guess			LOOCV with k random draws			
σ	σ_α	$\hat{\alpha}_{\text{adj}}$	$\hat{\alpha}_{\text{wadj}}$	$\hat{\alpha}_{\text{IVW}}$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{adj}}})$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{wadj}}})$	$\bar{\mathcal{C}}^{(k)}(\delta_{\hat{\alpha}_{\text{IVW}}})$	$\bar{\mathcal{C}}^{(k)}(\mathcal{A})$
	5	1 (0)	1 (0)	1 (0)	0.987 (0.009)	0.987 (0.009)	0.987 (0.009)	0.393 (0.047)
	10	1 (0)	1 (0)	1 (0)	0.967 (0.014)	0.973 (0.013)	0.967 (0.014)	0.34 (0.041)
5	25	0.933 (0.046)	0.967 (0.033)	0.933 (0.046)	0.807 (0.042)	0.82 (0.038)	0.807 (0.042)	0.293 (0.04)
	50	0.767 (0.079)	0.8 (0.074)	0.767 (0.079)	0.567 (0.047)	0.667 (0.044)	0.573 (0.049)	0.34 (0.039)
	100	0.633 (0.089)	0.7 (0.085)	0.633 (0.089)	0.513 (0.044)	0.533 (0.049)	0.5 (0.04)	0.353 (0.046)
	5	1 (0)	1 (0)	1 (0)	0.953 (0.016)	0.953 (0.018)	0.953 (0.016)	0.327 (0.041)
	10	1 (0)	1 (0)	1 (0)	0.92 (0.025)	0.913 (0.027)	0.92 (0.025)	0.333 (0.041)
10	25	0.9 (0.056)	0.967 (0.033)	0.933 (0.046)	0.767 (0.041)	0.787 (0.039)	0.753 (0.045)	0.313 (0.04)
	50	0.767 (0.079)	0.8 (0.074)	0.767 (0.079)	0.553 (0.044)	0.64 (0.043)	0.547 (0.045)	0.307 (0.036)
	100	0.633 (0.089)	0.7 (0.085)	0.633 (0.089)	0.527 (0.041)	0.533 (0.046)	0.507 (0.043)	0.333 (0.04)
	5	1 (0)	1 (0)	1 (0)	0.787 (0.044)	0.78 (0.039)	0.773 (0.042)	0.193 (0.036)
	10	0.967 (0.033)	0.967 (0.033)	0.967 (0.033)	0.747 (0.044)	0.753 (0.035)	0.733 (0.045)	0.2 (0.035)
25	25	0.9 (0.056)	0.933 (0.046)	0.9 (0.056)	0.66 (0.047)	0.693 (0.047)	0.66 (0.047)	0.3 (0.045)
	50	0.767 (0.079)	0.8 (0.074)	0.8 (0.074)	0.547 (0.048)	0.64 (0.045)	0.553 (0.049)	0.34 (0.047)
	100	0.6 (0.091)	0.7 (0.085)	0.633 (0.089)	0.48 (0.037)	0.52 (0.042)	0.473 (0.039)	0.313 (0.037)
	5	0.733 (0.082)	0.733 (0.082)	0.767 (0.079)	0.573 (0.049)	0.567 (0.049)	0.58 (0.047)	0.24 (0.039)
	10	0.733 (0.082)	0.733 (0.082)	0.733 (0.082)	0.553 (0.046)	0.547 (0.046)	0.553 (0.048)	0.233 (0.033)
50	25	0.767 (0.079)	0.7 (0.085)	0.733 (0.082)	0.48 (0.05)	0.507 (0.049)	0.473 (0.052)	0.24 (0.035)
	50	0.767 (0.079)	0.733 (0.082)	0.733 (0.082)	0.46 (0.049)	0.527 (0.043)	0.467 (0.05)	0.253 (0.041)
	100	0.567 (0.092)	0.7 (0.085)	0.567 (0.092)	0.46 (0.046)	0.493 (0.034)	0.447 (0.05)	0.327 (0.049)
	5	0.633 (0.089)	0.6 (0.091)	0.633 (0.089)	0.46 (0.051)	0.52 (0.044)	0.48 (0.046)	0.233 (0.038)
	10	0.6 (0.091)	0.6 (0.091)	0.633 (0.089)	0.46 (0.047)	0.527 (0.042)	0.46 (0.049)	0.24 (0.035)
100	25	0.633 (0.089)	0.567 (0.092)	0.633 (0.089)	0.453 (0.048)	0.54 (0.042)	0.467 (0.05)	0.213 (0.037)
	50	0.567 (0.092)	0.533 (0.093)	0.567 (0.092)	0.487 (0.04)	0.54 (0.035)	0.467 (0.046)	0.227 (0.034)
	100	0.433 (0.092)	0.533 (0.093)	0.433 (0.092)	0.52 (0.049)	0.547 (0.034)	0.507 (0.05)	0.267 (0.04)