REVSTAT – Statistical Journal
Supplementary file

Supplement — Estimation and prediction for the half-normal distribution based on progressively type-II censored samples

Authors: Sümeyra Sert ✉
– Department of Statistics, Selçuk University, Konya, Turkey
sumeyra.sert@selcuk.edu.tr

İhab A.S. Abusaif
– Department of Statistics, Selçuk University, Konya, Turkey
censtat@gmail.com

Ertan Akgenç
– Department of Statistics, Selçuk University, Konya, Turkey
statistician.ertan@gmail.com

Kadir Karakaya
– Department of Statistics, Selçuk University, Konya, Turkey
kkarakaya@selcuk.edu.tr

Coşkun Kuş
– Department of Statistics, Selçuk University, Konya, Turkey
coskun@selcuk.edu.tr

1. SUPPLEMENTARY FILE

✉ Corresponding author

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(5*m)	k=10	j=2		0.0448(-0.1081)	0.0332(-0.0125)	0.0353(-0.0145)	0.0332(-0.0125)	0.0353(-0.0145)
			CPs	[0.8912]	[0.9502]	[0.9384]	[0.9316]	[0.9216]
			ALs	[0.6566]	[0.6935]	[0.6889]	[0.7604]	[0.7550]
		j=3		0.0574(-0.0840)	0.0504(-0.0206)	0.0558(-0.0235)	0.0504(-0.0206)	0.0558(-0.0235)
			CPs	[0.9312]	[0.9576]	[0.9384]	[0.9348]	[0.9214]
			ALs	[0.9317]	[0.8775]	[0.8720]	[0.9587]	[0.9524]
		j=4		0.0907(-0.0908)	0.0850(-0.0577)	0.0940(-0.0603)	0.0850(-0.0577)	0.0940(-0.0603)
			CPs	[0.9320]	[0.9516]	[0.9334]	[0.9382]	[0.9266]
			ALs	[1.1305]	[1.0956]	[1.0914]	[1.2104]	[1.2054]
		j=5		0.1600(-0.1032)	0.1581(-0.1233)	0.1787(-0.1262)	0.1581(-0.1233)	0.1787(-0.1262)
			CPs	[0.9342]	[0.9538]	[0.9364]	[0.9480]	[0.9350]
			ALs	[1.3442]	[1.5139]	[1.5094]	[1.7620]	[1.7564]
	k=20	j=2		0.0414(-0.1039)	0.0306(-0.0101)	0.0324(-0.0115)	0.0306(-0.0101)	0.0324(-0.0114)
			CPs	[0.8906]	[0.9474]	[0.9370]	[0.9328]	[0.9228]
			ALs	[0.6575]	[0.6707]	[0.6675]	[0.7330]	[0.7289]
		j=3		0.0559(-0.0869)	0.0486(-0.0234)	0.0535(-0.0251)	0.0486(-0.0234)	0.0535(-0.0251)
			CPs	[0.9264]	[0.9516]	[0.9364]	[0.9386]	[0.9274]
			ALs	[0.8354]	[0.8538]	[0.8506]	[0.9311]	[0.9268]
		j=4		0.0844(-0.0859)	0.0791(-0.0509)	0.0869(-0.0555)	0.0791(-0.0509)	0.0869(-0.0555)
			CPs	[0.9356]	[0.9528]	[0.9338]	[0.9382]	[0.9330]
			ALs	[1.0703]	[1.0730]	[1.0656]	[1.1838]	[1.1750]
		j=5		0.1605(-0.1081)	0.1603(-0.1266)	0.1774(-0.1296)	0.1603(-0.1266)	0.1774(-0.1296)
			CPs	[0.9336]	[0.9544]	[0.9338]	[0.9466]	[0.9314]
			ALs	[1.5441]	[1.4927]	[1.4881]	[1.7343]	[1.7281]
	k=30	j=2		0.0412(-0.1087)	0.0297(-0.0178)	0.0313(-0.0188)	0.0297(-0.0178)	0.0313(-0.0187)
			CPs	[0.8716]	[0.9480]	[0.9356]	[0.9258]	[0.9202]
			ALs	[0.5903]	[0.6363]	[0.6339]	[0.6919]	[0.6880]
		j=3		0.0557(-0.0918)	0.0479(-0.0277)	0.0523(-0.0311)	0.0479(-0.0277)	0.0523(-0.0310)
			CPs	[0.9144]	[0.9460]	[0.9274]	[0.9346]	[0.9242]
			ALs	[0.8155]	[0.8184]	[0.8119]	[0.8897]	[0.8816]
		j=4		0.0826(-0.0932)	0.0765(-0.0570)	0.0850(-0.0598)	0.0765(-0.0570)	0.0850(-0.0597)
			CPs	[0.9292]	[0.9480]	[0.9306]	[0.9406]	[0.9268]
			ALs	[1.0898]	[1.0378]	[1.0334]	[1.1422]	[1.1360]
		j=5		0.1598(-0.1080)	0.1574(-0.1239)	0.1781(-0.1265)	0.1574(-0.1239)	0.1781(-0.1265)
			CPs	[0.9256]	[0.9490]	[0.9214]	[0.9366]	[0.9246]
			ALs	[1.3359]	[1.4592]	[1.4553]	[1.6903]	[1.6841]

Table 1: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI$_i$ when $\hat{\theta}$=1, *m=40*, **r**=(5,5,...,5)

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(10*m)	k=10	j=2		0.0149(-0.0680)	0.0103(-0.0034)	0.0108(-0.0036)	0.0103(-0.0034)	0.0108(-0.0036)
			CPs	[0.8538]	[0.9540]	[0.9478]	[0.9420]	[0.9386]
			ALs	[0.3525]	[0.3880]	[0.3874]	[0.4113]	[0.4106]
		j=3		0.0192(-0.0590)	0.0157(-0.0055)	0.0171(-0.0069)	0.0157(-0.0055)	0.0171(-0.0069)
			CPs	[0.9056]	[0.9492]	[0.9358]	[0.9406]	[0.9296]
			ALs	[0.4800]	[0.4745]	[0.4719]	[0.5005]	[0.4976]
		j=4		0.0224(-0.0496)	0.0199(-0.0057)	0.0227(-0.0051)	0.0199(-0.0057)	0.0227(-0.0051)
			CPs	[0.9316]	[0.9538]	[0.9324]	[0.9438]	[0.9256]
			ALs	[0.5450]	[0.5482]	[0.5492]	[0.5761]	[0.5770]
		j=5		0.0265(-0.0439)	0.0247(-0.0080)	0.0282(-0.0098)	0.0247(-0.0080)	0.0282(-0.0098)
			CPs	[0.9428]	[0.9554]	[0.9314]	[0.9398]	[0.9266]
			ALs	[0.6215]	[0.6174]	[0.6147]	[0.6478]	[0.6449]
		j=6		0.0323(-0.0431)	0.0306(-0.0151)	0.0362(-0.0156)	0.0306(-0.0151)	0.0362(-0.0156)
			CPs	[0.9458]	[0.9556]	[0.9310]	[0.9474]	[0.9220]
			ALs	[0.6946]	[0.6884]	[0.6878]	[0.7227]	[0.7219]
		j=7		0.0403(-0.0406)	0.0389(-0.0206)	0.0480(-0.0211)	0.0389(-0.0206)	0.0480(-0.0211)
			CPs	[0.9442]	[0.9504]	[0.9192]	[0.9464]	[0.9150]
			ALs	[0.7920]	[0.7691]	[0.7685]	[0.8103]	[0.8095]
		j=8		0.0535(-0.0480)	0.0519(-0.0371)	0.0658(-0.0412)	0.0519(-0.0371)	0.0658(-0.0412)
			CPs	[0.9392]	[0.9494]	[0.9130]	[0.9458]	[0.9120]
			ALs	[0.9078]	[0.8733]	[0.8688]	[0.9276]	[0.9226]
		j=9		0.0749(-0.0567)	0.0746(-0.0602)	0.0918(-0.0660)	0.0746(-0.0602)	0.0918(-0.0660)
			CPs	[0.9370]	[0.9536]	[0.9170]	[0.9462]	[0.9164]
			ALs	[0.9844]	[1.0360]	[1.0297]	[1.1205]	[1.1135]
		j=10		0.1438(-0.0882)	0.1473(-0.1353)	0.1812(-0.1397)	0.1473(-0.1353)	0.1812(-0.1397)
			CPs	[0.9304]	[0.9532]	[0.9198]	[0.9510]	[0.9240]
			ALs	[1.3090]	[1.4030]	[1.4038]	[1.6078]	[1.6017]
	k=20	j=2		0.0135(-0.0631)	0.0096(0.0001)	0.0101(-0.0002)	0.0096(0.0001)	0.0101(-0.0001)
			CPs	[0.8510]	[0.9472]	[0.9390]	[0.9334]	[0.9278]
			ALs	[0.3395]	[0.3787]	[0.3778]	[0.4008]	[0.3995]
		j=3		0.0184(-0.0579)	0.0151(-0.0052)	0.0163(-0.0063)	0.0151(-0.0052)	0.0163(-0.0062)
			CPs	[0.9040]	[0.9468]	[0.9350]	[0.9368]	[0.9252]
			ALs	[0.4613]	[0.4644]	[0.4623]	[0.4892]	[0.4867]
		j=4		0.0219(-0.0532)	0.0191(-0.0093)	0.0216(-0.0111)	0.0191(-0.0093)	0.0216(-0.0111)
			CPs	[0.9260]	[0.9520]	[0.9324]	[0.9472]	[0.9302]
			ALs	[0.5420]	[0.5379]	[0.5349]	[0.5648]	[0.5614]
		j=5		0.0262(-0.0441)	0.0243(-0.0081)	0.0280(-0.0105)	0.0243(-0.0081)	0.0280(-0.0105)
			CPs	[0.9432]	[0.9542]	[0.9312]	[0.9408]	[0.9256]
			ALs	[0.6037]	[0.6070]	[0.6035]	[0.6366]	[0.6326]
		j=6		0.0325(-0.0435)	0.0307(-0.0152)	0.0366(-0.0166)	0.0307(-0.0152)	0.0366(-0.0166)
			CPs	[0.9432]	[0.9488]	[0.9240]	[0.9408]	[0.9150]
			ALs	[0.6720]	[0.6783]	[0.6765]	[0.7119]	[0.7096]
		j=7		0.0416(-0.0470)	0.0399(-0.0264)	0.0482(-0.0294)	0.0399(-0.0264)	0.0482(-0.0294)
			CPs	[0.9394]	[0.9492]	[0.9186]	[0.9404]	[0.9178]
			ALs	[0.7736]	[0.7595]	[0.7557]	[0.7998]	[0.7956]
		j=8		0.0531(-0.0507)	0.0515(-0.0401)	0.0643(-0.0410)	0.0515(-0.0401)	0.0643(-0.0410)
			CPs	[0.9382]	[0.9478]	[0.9120]	[0.9418]	[0.9110]
			ALs	[0.8801]	[0.8640]	[0.8630]	[0.9173]	[0.9159]
		j=9		0.0735(-0.0652)	0.0730(-0.0693)	0.0910(-0.0707)	0.0730(-0.0693)	0.0910(-0.0707)
			CPs	[0.9428]	[0.9522]	[0.9166]	[0.9524]	[0.9180]
			ALs	[0.9360]	[1.0271]	[1.0254]	[1.1102]	[1.1081]
		j=10		0.1389(-0.0806)	0.1451(-0.1287)	0.1716(-0.1293)	0.1451(-0.1287)	0.1716(-0.1293)
			CPs	[0.9344]	[0.9504]	[0.9162]	[0.9480]	[0.9248]
			ALs	[1.3275]	[1.4004]	[1.3998]	[1.5966]	[1.5955]
	k=30	j=2		0.0133(-0.0632)	0.0093(-0.0021)	0.0099(-0.0061)	0.0093(-0.0021)	0.0999(-0.0060)
			CPs	[0.8494]	[0.9514]	[0.9380]	[0.9356]	[0.9290]
			ALs	[0.3209]	[0.3646]	[0.3548]	[0.3848]	[0.3745]
		j=3		0.0167(-0.0558)	0.0136(-0.0042)	0.0148(-0.0083)	0.0136(-0.0042)	0.0148(-0.0083)
			CPs	[0.9068]	[0.9512]	[0.9354]	[0.9412]	[0.9280]
			ALs	[0.4334]	[0.4485]	[0.4405]	[0.4715]	[0.4629]
		j=4		0.0213(-0.0509)	0.0187(-0.0075)	0.0210(-0.0139)	0.0187(-0.0075)	0.0210(-0.0138)
			CPs	[0.9254]	[0.9494]	[0.9268]	[0.9376]	[0.9238]
			ALs	[0.5290]	[0.5215]	[0.5108]	[0.5468]	[0.5356]
		j=5		0.0253(-0.0461)	0.0231(-0.0103)	0.0278(-0.0158)	0.0231(-0.0103)	0.0278(-0.0158)
			CPs	[0.9374]	[0.9502]	[0.9206]	[0.9440]	[0.9154]
			ALs	[0.6090]	[0.5906]	[0.5826]	[0.6187]	[0.6100]
		j=6		0.0312(-0.0458)	0.0293(-0.0170)	0.0344(-0.0232)	0.0293(-0.0170)	0.0344(-0.0231)
			CPs	[0.9404]	[0.9548]	[0.9242]	[0.9440]	[0.9224]
			ALs	[0.6855]	[0.6623]	[0.6542]	[0.6945]	[0.6857]
		j=7		0.0386(-0.0446)	0.0371(-0.0238)	0.0451(-0.0252)	0.0371(-0.0238)	0.0451(-0.0252)
			CPs	[0.9424]	[0.9466]	[0.9140]	[0.9416]	[0.9120]
			ALs	[0.7549]	[0.7439]	[0.7422]	[0.7829]	[0.7805]
		j=8		0.0473(-0.0392)	0.0460(-0.0274)	0.0588(-0.0303)	0.0460(-0.0274)	0.0588(-0.0303)
			CPs	[0.9492]	[0.9562]	[0.9154]	[0.9486]	[0.9124]
			ALs	[0.8428]	[0.8490]	[0.8458]	[0.9008]	[0.8967]
		j=9		0.0719(-0.0555)	0.0710(-0.0575)	0.0905(-0.0642)	0.0710(-0.0575)	0.0905(-0.0642)
			CPs	[0.9422]	[0.9476]	[0.9090]	[0.9426]	[0.9076]
			ALs	[1.0627]	[1.0128]	[1.0054]	[1.0939]	[1.0854]
		j=10		0.1394(-0.0947)	0.1455(-0.1412)	0.1753(-0.1436)	0.1455(-0.1412)	0.17530(-0.1436)
			CPs	[0.9300]	[0.9486]	[0.9098]	[0.9480]	[0.9230]
			ALs	[1.2196]	[1.3861]	[1.3834]	[1.5782]	[1.5743]

Table 2: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI_i when $\hat{\theta}$=1, *m=40*, **r**=(10,10,...,10)

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(5*m)	k=25	j=2		0.0450(-0.1051)	0.0341(-0.0104)	0.0347(-0.0110)	0.0341(-0.0104)	0.0347(-0.0110)
			CPs	[0.8930]	[0.9466]	[0.9466]	[0.9290]	[0.9242]
			ALs	[0.6930]	[0.6934]	[0.6920]	[0.7602]	[0.7585]
		j=3		0.0600(-0.0840)	0.0534(-0.0230)	0.0553(-0.0238)	0.0534(-0.0230)	0.0553(-0.0238)
			CPs	[0.9310]	[0.9492]	[0.9426]	[0.9310]	[0.9258]
			ALs	[0.9070]	[0.8773]	[0.8760]	[0.9585]	[0.9568]
		j=4		0.0899(-0.0829)	0.0854(-0.0527)	0.0893(-0.0541)	0.0854(-0.0527)	0.0893(-0.0541)
			CPs	[0.9350]	[0.9430]	[0.9378]	[0.9350]	[0.9300]
			ALs	[1.1202]	[1.0954]	[1.0931]	[1.2102]	[1.2075]
		j=5		0.1683(-0.1153)	0.1701(-0.1322)	0.1781(-0.1342)	0.1701(-0.1322)	0.1781(-0.1342)
			CPs	[0.9264]	[0.9500]	[0.9406]	[0.9442]	[0.9386]
			ALs	[1.3327]	[1.5137]	[1.5105]	[1.7617]	[1.7579]
	k=50	j=2		0.0441(-0.1102)	0.0323(-0.0172)	0.0330(-0.0179)	0.0323(-0.0172)	0.0330(-0.0178)
			CPs	[0.8800]	[0.9490]	[0.9458]	[0.9304]	[0.9272]
			ALs	[0.6650]	[0.6700]	[0.6686]	[0.7322]	[0.7303]
		j=3		0.0563(-0.0844)	0.0496(-0.0227)	0.0517(-0.0244)	0.0496(-0.0227)	0.0517(-0.0244)
			CPs	[0.9316]	[0.9488]	[0.9404]	[0.9320]	[0.9310]
			ALs	[0.8715]	[0.8535]	[0.8503]	[0.9307]	[0.9270]
		j=4		0.0844(-0.0888)	0.0795(-0.0573)	0.0829(-0.0578)	0.0795(-0.0573)	0.0829(-0.0578)
			CPs	[0.9360]	[0.9530]	[0.9454]	[0.9398]	[0.9344]
			ALs	[1.0753]	[1.0723]	[1.0716]	[1.1830]	[1.1818]
		j=5		0.1594(-0.1094)	0.1592(-0.1236)	0.1692(-0.1262)	0.1592(-0.1236)	0.1692(-0.1262)
			CPs	[0.9300]	[0.9480]	[0.9406]	[0.9424]	[0.9334]
			ALs	[1.4583]	[1.4923]	[1.4882]	[1.7337]	[1.7287]
	k=75	j=2		0.0390(-0.1037)	0.0284(-0.0137)	0.0293(-0.0145)	0.0284(-0.0137)	0.0293(-0.0144)
			CPs	[0.8732]	[0.9520]	[0.9454]	[0.9346]	[0.9282]
			ALs	[0.6079]	[0.6351]	[0.6332]	[0.6905]	[0.6880]
		j=3		0.0543(-0.0910)	0.0467(-0.0291)	0.0488(-0.0300)	0.0467(-0.0291)	0.0488(-0.0300)
			CPs	[0.9198]	[0.9496]	[0.9462]	[0.9384]	[0.9298]
			ALs	[0.8280]	[0.8169]	[0.8151]	[0.8880]	[0.8855]
		j=4		0.0815(-0.0914)	0.0761(-0.0571)	0.0796(-0.0593)	0.0761(-0.0571)	0.0796(-0.0592)
			CPs	[0.9282]	[0.9436]	[0.9378]	[0.9400]	[0.9334]
			ALs	[1.0832]	[1.0366]	[1.0332]	[1.1408]	[1.1366]
		j=5		0.1543(-0.1135)	0.1553(-0.1259)	0.1620(-0.1256)	0.1553(-0.1259)	0.1620(-0.1256)
			CPs	[0.9244]	[0.9512]	[0.9402]	[0.9456]	[0.9380]
			ALs	[1.3306]	[1.4578]	[1.4582]	[1.6884]	[1.6882]

Table 3: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI$_i$ when $\hat{\theta}$=1, *m=100*, **r**=(5,5,...,5)

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(10*m)	k=25	j=2		0.1532(-0.0670)	0.0108(-0.0025)	0.0109(-0.0031)	0.0108(-0.0025)	0.0109(-0.0031)
			CPs	[0.8500]	[0.9502]	[0.9464]	[0.9388]	[0.9344]
			ALs	[0.3516]	[0.3879]	[0.3865]	[0.4113]	[0.4096]
		j=3		0.0189(-0.0480)	0.0154(-0.0050)	0.0159(-0.0060)	0.0154(-0.0060)	0.0159(-0.0060)
			CPs	[0.9078]	[0.9496]	[0.9442]	[0.9364]	[0.9346]
			ALs	[0.4695]	[0.4744]	[0.4745]	[0.5003]	[0.5004]
		j=4		0.0229(-0.0536)	0.0201(-0.0103)	0.0212(-0.0113)	0.0201(-0.0103)	0.0212(-0.0113)
			CPs	[0.9300]	[0.9546]	[0.9464]	[0.9450]	[0.9372]
			ALs	[0.5547]	[0.5482]	[0.5465]	[0.5761]	[0.5743]
		j=5		0.0288(-0.0476)	0.0267(-0.0129)	0.0283(-0.0140)	0.0267(-0.0129)	0.0283(-0.0140)
			CPs	[0.9326]	[0.9448]	[0.9336]	[0.9376]	[0.9304]
			ALs	[0.6301]	[0.6174]	[0.6158]	[0.6478]	[0.6461]
		j=6		0.0336(-0.0433)	0.0320(-0.0167)	0.0347(-0.0175)	0.0320(-0.0167)	0.0347(-0.0175)
			CPs	[0.9392]	[0.9520]	[0.9370]	[0.9438]	[0.9302]
			ALs	[0.6970]	[0.6884]	[0.6873]	[0.7227]	[0.7216]
		j=7		0.0410(-0.0440)	0.0396(-0.0257)	0.0433(-0.0267)	0.0396(-0.0257)	0.0433(-0.0267)
			CPs	[0.9504]	[0.9512]	[0.9392]	[0.9384]	[0.9308]
			ALs	[0.7888]	[0.7691]	[0.7678]	[0.8102]	[0.8089]
		j=8		0.0526(-0.0462)	0.0517(-0.0374)	0.0568(-0.0390)	0.0517(-0.0374)	0.0568(-0.0390)
			CPs	[0.9460]	[0.9510]	[0.9394]	[0.9470]	[0.9338]
			ALs	[0.8646]	[0.8732]	[0.8714]	[0.9275]	[0.9255]
		j=9		0.0701(-0.0527)	0.0701(-0.0572)	0.0780(-0.0598)	0.0701(-0.0572)	0.0780(-0.0598)
			CPs	[0.9450]	[0.9524]	[0.9338]	[0.9476]	[0.9372]
			ALs	[1.0540]	[1.0360]	[1.0330]	[1.1204]	[1.1172]
		j=10		0.1454(-0.0982)	0.1520(-0.1369)	0.1638(-0.1361)	0.1520(-0.1369)	0.1638(-0.1361)
			CPs	[0.9228]	[0.9478]	[0.9358]	[0.9476]	[0.9358]
			ALs	[1.4886]	[1.4089]	[1.4099]	[1.6077]	[1.6087]
	k=50	j=2		0.0144(-0.0659)	0.0100(-0.0028)	0.0103(-0.0029)	0.0100(-0.0028)	0.0103(-0.0029)
			CPs	[0.8514]	[0.9520]	[0.9482]	[0.9396]	[0.9352]
			ALs	[0.3377]	[0.3786]	[0.3783]	[0.4006]	[0.4002]
		j=3		0.0178(-0.0567)	0.0146(-0.0044)	0.0151(-0.0049)	0.0146(-0.0044)	0.0151(-0.0049)
			CPs	[0.9070]	[0.9526]	[0.9442]	[0.9414]	[0.9376]
			ALs	[0.4506]	[0.4642]	[0.4632]	[0.4889]	[0.4878]
		j=4		0.0220(-0.0502)	0.0195(-0.0072)	0.0205(-0.0080)	0.0195(-0.0072)	0.0205(-0.0080)
			CPs	[0.9284]	[0.9516]	[0.9442]	[0.9408]	[0.9350]
			ALs	[0.5454]	[0.5376]	[0.5364]	[0.5646]	[0.5631]
		j=5		0.0269(-0.0469)	0.0248(-0.0122)	0.0262(-0.0130)	0.0248(-0.0122)	0.0262(-0.0130)
			CPs	[0.9380]	[0.9524]	[0.9430]	[0.9424]	[0.9340]
			ALs	[0.6267]	[0.6069]	[0.6057]	[0.6364]	[0.6351]
		j=6		0.0349(-0.0454)	0.0332(-0.0186)	0.0353(-0.0195)	0.0332(-0.0186)	0.0353(-0.0195)
			CPs	[0.9362]	[0.9432]	[0.9330]	[0.9320]	[0.9252]
			ALs	[0.6889]	[0.6781]	[0.6769]	[0.7117]	[0.7103]
		j=7		0.0401(-0.0420)	0.0387(-0.0234)	0.0427(-0.0239)	0.0387(-0.0234)	0.0427(-0.0239)
			CPs	[0.9438]	[0.9494]	[0.9334]	[0.9424]	[0.9304]
			ALs	[0.7597]	[0.7592]	[0.7586]	[0.7995]	[0.7988]
		j=8		0.0539(-0.0511)	0.0530(-0.0421)	0.0574(-0.0419)	0.0530(-0.0421)	0.0574(-0.0419)
			CPs	[0.9374]	[0.9444]	[0.9356]	[0.9416]	[0.9278]
			ALs	[0.8610]	[0.8638]	[0.8640]	[0.9170]	[0.9171]
		j=9		0.0730(-0.0641)	0.0728(-0.0681)	0.0813(-0.0702)	0.0728(-0.0681)	0.0813(-0.0702)
			CPs	[0.9384]	[0.9496]	[0.9336]	[0.9470]	[0.9370]
			ALs	[1.0173]	[1.0270]	[1.0246]	[1.1101]	[1.1075]
		j=10		0.1384(-0.0887)	0.1434(-0.1259)	0.1568(-0.1265)	0.1434(-0.1259)	0.1568(-0.1265)
			CPs	[0.9296]	[0.9472]	[0.9358]	[0.9486]	[0.9416]
			ALs	[1.3282]	[1.4001]	[1.3995]	[1.5963]	[1.5954]
	k=75	j=2		0.0133(-0.0637)	0.0092(-0.0028)	0.0095(-0.0032)	0.0092(-0.0028)	0.0095(-0.0031)
			CPs	[0.8500]	[0.9520]	[0.9452]	[0.9428]	[0.9364]
			ALs	[0.3232]	[0.3640]	[0.3632]	[0.3841]	[0.3831]
		j=3		0.0171(-0.0551)	0.0141(-0.0039)	0.0146(-0.0043)	0.0141(-0.0039)	0.0146(-0.0042)
			CPs	[0.9032]	[0.9468]	[0.9430]	[0.9348]	[0.9320]
			ALs	[0.4389]	[0.4481]	[0.4475]	[0.4711]	[0.4702]
		j=4		0.0211(-0.0499)	0.0186(-0.0075)	0.0197(-0.0071)	0.0186(-0.0075)	0.0197(-0.0071)
			CPs	[0.9292]	[0.9464]	[0.9430]	[0.9390]	[0.9318]
			ALs	[0.5177]	[0.5209]	[0.5214]	[0.5462]	[0.5464]
		j=5		0.0249(-0.0472)	0.0228(-0.0125)	0.0243(-0.0145)	0.0228(-0.0125)	0.0243(-0.0145)
			CPs	[0.9400]	[0.9554]	[0.9446]	[0.9438]	[0.9406]
			ALs	[0.5898]	[0.5901]	[0.5872]	[0.6182]	[0.6150]
		j=6		0.0308(-0.0440)	0.0292(-0.0168)	0.0313(-0.0195)	0.0292(-0.0168)	0.0313(-0.0194)
			CPs	[0.9430]	[0.9546]	[0.9398]	[0.9472]	[0.9396]
			ALs	[0.6746]	[0.6618]	[0.6583]	[0.6939]	[0.6901]
		j=7		0.0367(-0.0395)	0.0355(-0.0201)	0.0387(-0.0217)	0.0355(-0.0201)	0.0387(-0.0216)
			CPs	[0.9476]	[0.9522]	[0.9408]	[0.9448]	[0.9342]
			ALs	[0.7591]	[0.7434]	[0.7416]	[0.7824]	[0.7802]
		j=8		0.0533(-0.0477)	0.0521(-0.0375)	0.0578(-0.0368)	0.0521(-0.0375)	0.0578(-0.0368)
			CPs	[0.9396]	[0.9420]	[0.9270]	[0.9364]	[0.9196]
			ALs	[0.8587]	[0.8486]	[0.8493]	[0.9002]	[0.9007]
		j=9		0.0703(-0.0593)	0.0701(-0.0626)	0.0769(-0.0559)	0.0701(-0.0626)	0.0769(-0.0559)
			CPs	[0.9380]	[0.9528]	[0.9372]	[0.9486]	[0.9330]
			ALs	[0.9899]	[1.0123]	[1.0197]	[1.0932]	[1.1008]
		j=10		0.1488(-0.1081)	0.1548(-0.1430)	0.1623(-0.1235)	0.1548(-0.1430)	0.1623(-0.1235)
			CPs	[0.9156]	[0.9456]	[0.9324]	[0.9444]	[0.9320]
			ALs	[1.1685]	[1.3858]	[1.4088]	[1.5777]	[1.6031]

Table 4: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI_i when $\hat{\theta}$=1, *m=100*, **r**=(10,10,...,10)

n	m	Censoring Schemes	$\hat{\theta}$	$\widetilde{\theta}$	$\widetilde{\theta}_{revised}$	θ^{*}	$\theta^{*(a)}$	$\theta^{*(a)}_{revised}$
10	10	(10*0)	0.0121 (-0.0126) 0.0120	0.0121 (-0.0126) 0.0120	0.0121 (-0.0126) 0.0120	0.0141 (-0.0673) 0.0096	0.0129 (-0.0482) 0.0106	0.0124 (-0.0399) 0.0108
20	10	(10*1)	0.0146 (-0.0122) 0.0144	0.0155 (0.0005) 0.0155	0.0146 (-0.0122) 0.0144	0.0164 (-0.0722) 0.0112	0.0150 (-0.0481) 0.0127	0.0146 (-0.0423) 0.0129
	10	(5, 8*0, 5)	0.0146 (-0.0126) 0.0125	0.01503 (-0.0115) 0.0125	0.0146 (-0.0126) 0.0125	0.0164 (-0.0684) 0.0099	0.0148 (-0.0493) 0.0110	0.0146 (-0.0403) 0.0113
	10	(5, 5, 8*0)	0.0126 (-0.0123) 0.0145	0.0127 (-0.0051) 0.0150	0.0126 (-0.0123) 0.0145	0.0146 (-0.0723) 0.0112	0.0135 (-0.0454) 0.0127	0.0129 (-0.0424) 0.0128
	10	(8*0, 5, 5)	0.0158 (-0.0116) 0.0157	0.0160 (-0.0079) 0.0160	0.0158 (-0.0116) 0.0157	0.0175 (-0.0744) 0.0120	0.0158 (-0.0457) 0.0137	0.0157 (-0.0433) 0.0138
	10	(4*0, 5, 5, 4*0)	0.0104 (-0.0123) 0.0139	0.0141 (-0.0106) 0.0140	0.0140 (-0.0123) 0.0139	0.0159 (-0.0711) 0.0109	0.0148 (-0.0510) 0.0122	0.0142 (-0.0416) 0.0125
	20	(20*0)	0.0061 (-0.0050) 0.0061	0.0061 (-0.0050) 0.0061	0.0061 (-0.0050) 0.0061	0.0067 (-0.0349) 0.0055	0.0064 (-0.0239) 0.0059	0.0063 (-0.0193) 0.0059
40	20	(20*1)	0.0072 (-0.0067) 0.0071	0.0079 (0.0051) 0.0079	0.0072 (-0.0067) 0.0071	0.0078 (-0.0394) 0.0063	0.0074 (-0.0257) 0.0067	0.0073 (-0.0224) 0.0068
	20	(10, 18*0, 10)	0.0077 (-0.0052) 0.0076	0.0078 (-0.0009) 0.0078	0.0077 (-0.0052) 0.0076	0.0082 (-0.0381) 0.0067	0.0077 (-0.0224) 0.0072	0.0077 (-0.0211) 0.0073
	20	(10, 10, 18*0)	0.0063 (-0.0060) 0.0062	0.0063 (-0.0055) 0.0062	0.0063 (-0.0060) 0.0062	0.0069 (-0.0363) 0.0056	0.0066 (-0.0252) 0.0060	0.0064 (-0.0205) 0.0060
	20	(18*0, 10, 10)	0.0083 (-0.0086) 0.0083	0.0084 (-0.0067) 0.0083	0.0083 (-0.0086) 0.0083	0.0091 (-0.0430) 0.0072	0.0085 (-0.0262) 0.0078	0.0085 (-0.0253) 0.0078
	20	(9*0, 10, 10, 9*0)	0.0070 (-0.0073) 0.0070	0.0071 (-0.0064) 0.0070	0.0070 (-0.0073) 0.0070	0.0078 (-0.0392) 0.0063	0.0075 (-0.0279) 0.0067	0.0073 (-0.0225) 0.0068
50	50	(50*0)	0.0025 (-0.0020) 0.0025	0.0025 (-0.0020) 0.0025	0.0025 (-0.0020) 0.0025	0.0026 (0.0148) 0.0024	0.0026 (-0.0100) 0.0025	0.0025 (-0.0080) 0.0025
100	50	(50*1)	0.0030 (-0.0029) 0.0030	0.0036 (0.0071) 0.0036	0.0030 (-0.0029) 0.0030	0.0032 (-0.0168) 0.0029	0.0031 (-0.0110) 0.0030	0.0031 (-0.0094) 0.0030
	50	(25, 48*0, 25)	0.0030 (-0.0025) 0.0030	0.0030 (-0.0069) 0.0030	0.0030 (-0.0025) 0.0030	0.0031 (-0.0164) 0.0029	0.0030 (-0.0094) 0.0029	0.0030 (-0.0090) 0.0029
	50	(25, 25, 48*0)	0.0024 (-0.0025) 0.0024	0.0024 (-0.0024) 0.0024	0.0024 (-0.0025) 0.0024	0.0026 (-0.0154) 0.0023	0.0025 (-0.0106) 0.0024	0.0025 (-0.0086) 0.0024
	50	(48*0, 25, 25)	0.0032 (-0.0025) 0.0032	0.0032 (-0.0018) 0.0032	0.0032 (-0.0025) 0.0032	0.0033 (-0.0173) 0.0030	0.0032 (-0.0098) 0.0031	0.0032 (-0.0095) 0.0031
	50	(24*0, 25, 25, 24*0)	0.3321 (-0.0019) 0.0028	0.0028 (-0.0016) 0.0028	0.00281 (-0.0019) 0.0028	0.0029 (-0.0154) 0.0027	0.0029 (-0.0106) 0.0028	0.0028 (-0.0082) 0.0028

Table 5: MSEs, bias (in parenthesis) and variances for estimates of the scale parameter ($\hat{\theta} = 0.5$)

n	m	Censoring Schemes	$\hat{\theta}$	$\widetilde{\theta}$	$\widetilde{\theta}_{revised}$	θ^*	$\theta^{*(a)}$	$\theta^{*(a)}_{revised}$
10	10	(10*0)	0.0277 (-0.0189) 0.0277	0.0277 (-0.0189) 0.0273	0.0277 (-0.0189) 0.0273	0.0321 (-0.1008) 0.0219	0.0295 (-0.0726) 0.0243	0.0284 (-0.0597) 0.0248
20	10	(10*1)	0.0329 (-0.0184) 0.0325	0.0350 (0.0007) 0.0350	0.0329 (-0.1841) 0.0325	0.0370 (-0.1083) 0.0142	0.0337 (-0.0721) 0.0285	0.0330 (-0.0634) 0.0290
	10	(5, 8*0, 5)	0.0329 (-0.0185) 0.0326	0.0338 (-0.0077) 0.0337	0.0329 (-0.0185) 0.0326	0.0370 (-0.1085) 0.0253	0.0333 (-0.0682) 0.0286	0.0330 (-0.0636) 0.0289
	10	(5, 5, 8*0)	0.0291 (-0.0194) 0.0288	0.0292 (-0.0178) 0.0289	0.0291 (-0.0194) 0.0288	0.0335 (-0.1030) 0.0229	0.0310 (-0.0742) 0.0255	0.0298 (-0.0609) 0.0261
	10	(8*0, 5, 5)	0.0365 (-0.1883) 0.0361	0.0369 (-0.0132) 0.0367	0.0365 (-0.0188) 0.0361	0.0402 (-0.1129) 0.0275	0.0363 (-0.0699) 0.0314	0.0361 (-0.0664) 0.0317
	10	(4*0, 5, 5, 4*0)	0.0316 (-0.0184) 0.0312	0.0317 (-0.0160) 0.0315	0.0316 (-0.0184) 0.0312	0.0359 (-0.1066) 0.0245	0.0334 (-0.0765) 0.0276	0.0320 (-0.0624) 0.0281
	20	(20*0)	0.0139 (-0.0068) 0.0139	0.0139 (-0.0068) 0.0139	0.0139 (-0.0068) 0.0139	0.0153 (-0.0523) 0.0125	0.0146 (-0.0357) 0.0133	0.0142 (-0.0288) 0.0134
40	20	(20*1)	0.0172 (-0.0091) 0.0171	0.0186 (-0.0094) 0.0185	0.0172 (-0.0091) 0.0171	0.0187 (-0.0584) 0.0153	0.0178 (-0.0379) 0.0164	0.0175 (-0.0329) 0.0164
	20	(10, 18*0, 10)	0.0173 (-0.0066) 0.0173	0.0177 (0.0001) 0.0177	0.0173 (-0.0066) 0.0173	0.0184 (-0.0565) 0.0152	0.0174 (-0.0328) 0.0163	0.0173 (-0.0309) 0.0164
	20	(10, 10, 18*0)	0.0140 (-0.0103) 0.0139	0.0140 (-0.0096) 0.0139	0.0140 (-0.0103) 0.0139	0.0156 (-0.0562) 0.0125	0.0148 (-0.0398) 0.0132	0.0144 (-0.0326) 0.0133
	20	(18*0, 10, 10)	0.0193 (-0.0076) 0.0192	0.0194 (-0.0048) 0.0194	0.0193 (-0.0076) 0.0192	0.0203 (-0.0596) 0.0167	0.0192 (-0.0342) 0.0180	0.0191 (-0.0329) 0.0181
	20	(9*0, 10, 10, 9*0)	0.0158 (-0.0058) 0.0158	0.0159 (-0.0046) 0.0159	0.0158 (-0.0058) 0.0158	0.0170 (-0.0541) 0.0141	0.0164 (-0.0368) 0.0150	0.0160 (-0.0288) 0.0152
50	50	(50*0)	0.0056 (-0.0041) 0.0055	0.0056 (-0.0041) 0.0055	0.0056 (-0.0041) 0.0055	0.0059 (-0.0231) 0.0054	0.0058 (-0.0159) 0.0056	0.0057 (-0.0129) 0.0056
100	50	(50*1)	0.0067 (-0.0049) 0.0067	0.0081 (0.0098) 0.0080	0.0067 (-0.0049) 0.0067	0.0071 (-0.0256) 0.0064	0.0069 (-0.0168) 0.0066	0.0069 (-0.0145) 0.0066
	50	(25, 48*0, 25)	0.0067 (-0.0027) 0.0067	0.0068 (0.0001) 0.0068	0.0067 (-0.0027) 0.0067	0.0069 (-0.0236) 0.0064	0.0068 (-0.0132) 0.0066	0.0067 (-0.0125) 0.0066
	50	(25, 25, 48*0)	0.0056 (-0.0033) 0.0056	0.0056 (-0.0031) 0.0056	0.0056 (-0.0033) 0.0056	0.0059 (-0.0227) 0.0054	0.0058 (-0.0156) 0.0056	0.0057 (-0.0125) 0.0056
	50	(48*0, 25, 25)	0.0075 (-0.0010) 0.0075	0.0075 (0.00004) 0.0075	0.0075 (-0.0010) 0.0075	0.0076 (-0.0233) 0.0071	0.0075 (-0.0120) 0.0073	0.0075 (-0.0116) 0.0073
	50	(24*0, 25, 25, 24*0)	0.0064 (-0.0046) 0.0064	0.0064 (-0.0041) 0.0064	0.0064 (-0.0046) 0.0064	0.0069 (-0.0250) 0.0062	0.0067 (-0.0178) 0.0064	0.0066 (-0.0142) 0.0064

Table 6: MSEs, bias (in parenthesis) and variances for estimates of the scale parameter ($\hat{\theta} = 0.75$)

n	m	Censoring Schemes	$\hat{\theta}$	$\widetilde{\theta}$	$\widetilde{\theta}_{revised}$	θ^*	$\theta^{*(a)}$	$\theta^{*(a)}_{revised}$
10	10	(10*0)	0.1119 (-0.0405) 0.1102	0.1119 (-0.0405) 0.1102	0.1119 (-0.0405) 0.1102	0.1306 (-0.2062) 0.0881	0.1198 (-0.1496) 0.0974	0.1152 (-0.1242) 0.0998
20	10	(10*1)	0.1302 (-0.0341) 0.1291	0.1383 (0.0054) 0.1383	0.1302 (-0.0341) 0.1291	0.1467 (-0.2148) 0.1005	0.1337 (-0.1423) 0.1134	0.1309 (-0.1249) 0.1153
	10	(5, 8*0, 5)	0.1355 (-0.0389) 0.1340	0.1387 (-0.0172) 0.1384	0.1355 (-0.0389) 0.1340	0.1522 (-0.2187) 0.1044	0.1374 (-0.1382) 0.1183	0.1363 (-0.1292) 0.1196
	10	(5, 5, 8*0)	0.1132 (-0.0325) 0.1122	0.1137 (-0.0292) 0.1128	0.1132 (-0.0325) 0.1122	0.1297 (-0.2008) 0.0893	0.1198 (-0.1433) 0.0992	0.1151 (-0.1165) 0.1016
	10	(8*0, 5, 5)	0.1468 (-0.0332) 0.1457	0.1483 (-0.0221) 0.1479	0.1468 (-0.0332) 0.1457	0.1610 (-0.2216) 0.1119	0.1461 (-0.1354) 0.1278	0.1453 (-0.1283) 0.1289
	10	(4*0, 5, 5, 4*0)	0.1295 (-0.0430) 0.1277	0.1303 (-0.0384) 0.1288	0.1295 (-0.0430) 0.1277	0.1489 (-0.2193) 0.1008	0.1389 (-0.1594) 0.1134	0.1328 (-0.1314) 0.1155
	20	(20*0)	0.0542 (-0.0207) 0.0538	0.0542 (-0.0207) 0.0538	0.0542 (-0.0207) 0.0538	0.0611 (-0.1107) 0.0489	0.0579 (-0.0775) 0.0519	0.0564 (-0.0640) 0.0523
40	20	(20*1)	0.0691 (-0.0212) 0.0687	0.0770 (0.0153) 0.0768	0.0691 (-0.0212) 0.0687	0.07476 (-0.1202) 0.0603	0.0706 (-0.0792) 0.0643	0.0696 (-0.0692) 0.0649
	20	(10, 18*0, 10)	0.0685 (-0.0157) 0.0683	0.0699 (-0.0028) 0.0699	0.0685 (-0.0157) 0.0683	0.0733 (-0.1145) 0.0602	0.0690 (-0.0671) 0.0645	0.0688 (-0.0633) 0.0648
	20	(10, 10, 18*0)	0.0555 (-0.0190) 0.0551	0.0556 (-0.0174) 0.0553	0.0555 (-0.0190) 0.0551	0.0620 (-0.1097) 0.0500	0.0590 (-0.0765) 0.0532	0.0574 (-0.0623) 0.0535
	20	(18*0, 10, 10)	0.0776 (-0.0190) 0.0772	0.0780 (-0.0133) 0.0778	0.0776 (-0.0190) 0.0772	0.0827 (-0.1229) 0.0676	0.0780 (-0.0723) 0.0727	0.0778 (-0.0696) 0.0730
	20	(9*0, 10, 10, 9*0)	0.0648 (-0.0195) 0.0644	0.0650 (-0.0170) 0.0647	0.0648 (-0.0195) 0.0644	0.0710 (-0.1155) 0.0577	0.0683 (-0.0811) 0.0618	0.0663 (-0.0653) 0.0621
50	50	(50*0)	0.0223 (-0.0074) 0.0222	0.0223 (-0.0073) 0.0222	0.0223 (-0.0073) 0.0222	0.0233 (-0.0450) 0.02137	0.0228 (-0.0305) 0.0219	0.0225 (-0.0246) 0.0219
100	50	(50*1)	0.0278 (-0.0062) 0.0277	0.0336 (0.0254) 0.0330	0.0278 (-0.0061) 0.0277	0.0289 (-0.0485) 0.0266	0.0283 (-0.0310) 0.0274	0.0281 (-0.0262) 0.0274
	50	(25, 48*0, 25)	0.0267 (-0.0042) 0.0267	0.0270 (0.0012) 0.0270	0.0267 (-0.0042) 0.0267	0.0278 (-0.0459) 0.0257	0.0270 (-0.0250) 0.0264	0.0270 (-0.0236) 0.0265
	50	(25, 25, 48*0)	0.0228 (-0.0061) 0.0228	0.0228 (-0.0056) 0.0228	0.0228 (-0.0061) 0.0228	0.0241 (-0.0443) 0.0222	0.0237 (-0.0298) 0.0228	0.0234 (-0.0239) 0.0228
	50	(48*0, 25, 25)	0.0296 (-0.0058) 0.0295	0.0297 (-0.0035) 0.0297	0.0296 (-0.0058) 0.0295	0.0305 (-0.0502) 0.0280	0.0297 (-0.0277) 0.0289	0.0297 (-0.0269) 0.0289
	50	(24*0, 25, 25, 24*0)	0.0248 (-0.0086) 0.0247	0.0248 (-0.0076) 0.0247	0.0248 (-0.0086) 0.0247	0.0264 (-0.0493) 0.0240	0.0259 (-0.0346) 0.0247	0.0255 (-0.0275) 0.0247

Table 7: MSEs, bias (in parenthesis) and variances for estimates of the scale parameter ($\hat{\theta} = 1.5$)

n	m	Censoring Schemes	$\hat{\theta}$	$\widetilde{\theta}$	$\widetilde{\theta}_{revised}$	θ^*	$\theta^{*(a)}$	$\theta^{*(a)}_{revised}$
10	10	(10*0)	0.1953 (-0.0458) 0.1933	0.1953 (-0.0458) 0.1933	0.1953 (-0.0458) 0.1933	0.2253 (-0.2667) 0.1542	0.2069 (-0.1904) 0.1707	0.1992 (-0.1568) 0.1746
20	10	(10*1)	0.2312 (-0.0537) 0.2284	0.2443 (-0.0027) 0.2443	0.2312 (-0.0537) 0.2284	0.2637 (-0.2931) 0.17781	0.2391 (-0.1964) 0.2006	0.2340 (-0.1737) 0.2038
	10	(5, 8*0, 5)	0.2387 (-0.0458) 0.2366	0.2438 (-0.0169) 0.2435	0.2387 (-0.0458) 0.2366	0.2667 (-0.2868) 0.1845	0.2412 (-0.1792) 0.2091	0.2392 (-0.1670) 0.2114
	10	(5, 5, 8*0)	0.2023 (-0.0454) 0.2003	0.2028 (-0.0409) 0.2012	0.2023 (-0.0454) 0.2003	0.2314 (-0.2681) 0.1596	0.2138 (-0.1910) 0.1773	0.2056 (-0.1555) 0.1814
	10	(8*0, 5, 5)	0.2537 (-0.0496) 0.2513	0.2563 (-0.0349) 0.2552	0.2537 (-0.0496) 0.2513	0.2827 (-0.3002) 0.1926	0.2544 (-0.1856) 0.2200	0.2529 (-0.1762) 0.2218
	10	(4*0, 5, 5, 4*0)	0.2238 (-0.0439) 0.2219	0.2254 (-0.0373) 0.2240	0.2238 (-0.0439) 0.2219	0.2530 (-0.2795) 0.1748	0.2354 (-0.1986) 0.1960	0.2263 (-0.1612) 0.2003
	20	(20*0)	0.0995 (-0.0288) 0.0987	0.0995 (-0.0288) 0.0987	0.0995 (-0.0288) 0.0987	0.1114 (-0.1484) 0.0894	0.1059 (-0.1041) 0.0951	0.1031 (-0.0862) 0.0956
40	20	(20*1)	0.1183 (-0.0242) 0.1177	0.1305 (0.0238) 0.1299	0.1183 (-0.0242) 0.1177	0.1286 (-0.1554) 0.1044	0.1218 (-0.1005) 0.1117	0.1200 (-0.0872) 0.1124
	20	(10, 18*0, 10)	0.1182 (-0.0246) 0.1176	0.1203 (-0.0075) 0.1203	0.1182 (-0.0246) 0.1176	0.1277 (-0.1558) 0.1034	0.1194 (-0.0928) 0.1108	0.1190 (-0.0877) 0.1113
	20	(10, 10, 18*0)	0.1013 (-0.0232) 0.1007	0.1014 (-0.0212) 0.1010	0.1013 (-0.0232) 0.1007	0.1114 (-0.1449) 0.0904	0.1061 (-0.1007) 0.0960	0.1035 (-0.0818) 0.0968
	20	(18*0, 10, 10)	0.1331 (-0.0241) 0.1326	0.1339 (-0.0166) 0.1337	0.1331 (-0.0241) 0.1326	0.1419 (-0.1622) 0.1156	0.1333 (-0.0948) 0.1243	0.1330 (-0.0911) 0.1247
	20	(9*0, 10, 10, 9*0)	0.1153 (-0.0186) 0.1150	0.1160 (-0.0154) 0.1157	0.1153 (-0.0186) 0.11501	0.1253 (-0.1481) 0.1034	0.1211 (-0.1025) 0.1106	0.1178 (-0.0809) 0.1113
50	50	(50*0)	0.0388 (-0.0136) 0.0386	0.0388 (-0.0136) 0.0386	0.0388 (-0.0136) 0.0386	0.04186 (-0.0641) 0.0377	0.0407 (-0.0449) 0.0387	0.0402 (-0.0371) 0.0388
100	50	(50*1)	0.0481 (-0.0098) 0.0480	0.0571 (0.0311) 0.0561	0.0481 (-0.0098) 0.0480	0.05091 (-0.0658) 0.0465	0.04978 (-0.0425) 0.0479	0.0493 (-0.0361) 0.0480
	50	(25, 48*0, 25)	0.0483 (-0.0122) 0.0482	0.0487 (-0.0047) 0.0487	0.0483 (-0.0122) 0.0482	0.0509 (-0.0678) 0.0463	0.0493 (-0.0400) 0.0477	0.0492 (0.0382) 0.0477
	50	(25, 25, 48*0)	0.0393 (-0.0125) 0.0392	0.03940 (-0.0119) 0.0392	0.03931 (-0.0125) 0.0392	0.0425 (-0.0641) 0.0384	0.04158 (-0.0451) 0.0395	0.0409 (-0.0370) 0.0395
	50	(48*0, 25, 25)	0.0537 (-0.0114) 0.0536	0.0538 (-0.0084) 0.0538	0.0537 (-0.0114) 0.0536	0.0558 (-0.0701) 0.0509	0.0541 (-0.0402) 0.0525	0.0540 (-0.0391) 0.0525
	50	(24*0, 25, 25, 24*0)	0.0452 (-0.0062) 0.0451	0.0452 (-0.0049) 0.0452	0.0452 (-0.0062) 0.0451	0.0472 (-0.0606) 0.0436	0.0465 (-0.0414) 0.0448	0.0459 (-0.0315) 0.0449

Table 8: MSEs, bias (in parenthesis) and variances for estimates of the scale parameter ($\hat{\theta} = 2$)

			CPs				ALs			
n	m	Censoring Schemes	CI1	CI2	CI3	CI4	CI1	CI2	CI3	CI4
10	10	(10*0)	0.9018	0.9494	0.9490	0.9462	0.4264	0.5214	0.4902	0.4805
20	10	(10*1)	0.8960	0.9450	0.9446	0.9446	0.4722	0.5820	0.5405	0.5379
	10	(5, 8*0, 5)	0.8956	0.9480	0.9452	0.9440	0.4723	0.5807	0.5348	0.5382
	10	(5, 5, 8*0)	0.8996	0.9478	0.9484	0.9484	0.4364	0.5359	0.5046	0.4929
	10	(8*0, 5, 5)	0.8994	0.9510	0.9502	0.9502	0.4930	0.6050	0.5597	0.5636
	10	(4*0, 5, 5, 4*0)	0.9034	0.9518	0.9532	0.9506	0.4606	0.5692	0.5365	0.5233
	20	(20*0)	0.9222	0.9492	0.9508	0.9482	0.3058	0.3398	0.3319	0.3245
40	20	(20*1)	0.9180	0.9502	0.9504	0.9494	0.3371	0.3753	0.3630	0.3596
	20	(10, 18*0, 10)	0.9210	0.9532	0.9490	0.9490	0.3372	0.3743	0.3597	0.3598
	20	(10, 10, 18*0)	0.9304	0.9496	0.9538	0.9484	0.3097	0.3444	0.3366	0.3288
	20	(18*0, 10, 10)	0.9248	0.9504	0.9478	0.9494	0.3549	0.3935	0.3789	0.3794
	20	(9*0, 10, 10, 9*0)	0.9226	0.9520	0.9512	0.9486	0.3285	0.3672	0.3589	0.3499
50	50	(50*0)	0.9402	0.9536	0.9538	0.9522	0.1946	0.2044	0.2033	0.1993
100	50	(50*1)	0.9420	0.9522	0.9538	0.9518	0.2152	0.2259	0.2233	0.2208
	50	(25, 48*0, 25)	0.9372	0.9476	0.9472	0.9462	0.2147	0.2248	0.2213	0.2204
	50	(25, 25, 48*0)	0.9436	0.9518	0.9546	0.9518	0.1959	0.2059	0.2048	0.2006
	50	(48*0, 25, 25)	0.9416	0.9496	0.9502	0.9494	0.2258	0.2359	0.2325	0.2319
	50	(24*0, 25, 25, 24*0)	0.9368	0.9508	0.9484	0.9496	0.2093	0.2207	0.2196	0.2146

Table 9: CPs and ALs of CI for the scale parameter $\hat{\theta}$ at the 0.95 confidence level ($\hat{\theta}$=0.5).

			CPs				ALs			
n	m	Censoring Schemes	CI1	CI2	CI3	CI4	CI1	CI2	CI3	CI4
10	10	(10*0)	0.8986	0.9514	0.9514	0.9496	0.6360	0.7795	0.7324	0.7168
20	10	(10*1)	0.9018	0.9486	0.9502	0.9462	0.7107	0.8761	0.8136	0.8096
	10	(5, 8*0, 5)	0.9002	0.9518	0.9478	0.9490	0.7063	0.8675	0.7993	0.8048
	10	(5, 5, 8*0)	0.9048	0.9566	0.9602	0.9522	0.6540	0.8032	0.7562	0.7387
	10	(8*0, 5, 5)	0.9008	0.9512	0.9510	0.9492	0.7433	0.9129	0.8444	0.8497
	10	(4*0, 5, 5, 4*0)	0.9034	0.9496	0.9514	0.9476	0.6947	0.8574	0.8081	0.7892
	20	(20*0)	0.9262	0.9504	0.9510	0.9462	0.4587	0.5093	0.4976	0.4867
40	20	(20*1)	0.9242	0.9494	0.9494	0.9486	0.5073	0.5649	0.5464	0.5411
	20	(10, 18*0, 10)	0.9158	0.9420	0.9390	0.9378	0.5073	0.5635	0.5415	0.5413
	20	(10, 10, 18*0)	0.9278	0.9528	0.9558	0.9504	0.4637	0.5164	0.5044	0.4923
	20	(18*0, 10, 10)	0.9214	0.9466	0.9474	0.9450	0.5531	0.5916	0.5696	0.5699
	20	(9*0, 10, 10, 9*0)	0.9282	0.9522	0.9548	0.9534	0.4922	0.5507	0.5381	0.5242
50	50	(50*0)	0.9410	0.9496	0.9514	0.9482	0.2921	0.3067	0.3051	0.2990
100	50	(50*1)	0.9406	0.9534	0.9538	0.9542	0.3223	0.3383	0.3344	0.3307
	50	(25, 48*0, 25)	0.9396	0.9496	0.9480	0.9496	0.3229	0.3379	0.3326	0.3313
	50	(25, 25, 48*0)	0.9374	0.9506	0.9516	0.9486	0.2937	0.3086	0.3070	0.3007
	50	(48*0, 25, 25)	0.9402	0.9586	0.9564	0.9564	0.3384	0.3534	0.3482	0.3475
	50	(24*0, 25, 25, 24*0)	0.9358	0.9494	0.9526	0.9482	0.3130	0.3299	0.3283	0.3209

Table 10: CPs and ALs of CI for the scale parameter $\hat{\theta}$ at the 0.95 confidence level ($\hat{\theta}$=0.75).

			CPs				ALs			
n	m	Censoring Schemes	CI1	CI2	CI3	CI4	CI1	CI2	CI3	CI4
10	10	(10*0)	0.8988	0.9526	0.9496	0.9444	1.2835	1.5694	1.4756	1.4465
20	10	(10*1)	0.9008	0.9534	0.9482	0.9460	1.4170	1.7468	1.6221	1.6141
	10	(5, 8*0, 5)	0.8944	0.9474	0.9446	0.9448	1.4105	1.7327	1.5962	1.6073
	10	(5, 5, 8*0)	0.9050	0.9524	0.9558	0.9502	1.3113	1.6116	1.5162	1.4812
	10	(8*0, 5, 5)	0.8958	0.9462	0.9444	0.9452	1.4809	1.8192	1.6826	1.6930
	10	(4*0, 5, 5, 4*0)	0.8986	0.9506	0.953	0.9462	1.3789	1.7029	1.6057	1.5663
	20	(20*0)	0.9252	0.9494	0.9488	0.9482	0.9164	1.0175	0.9941	0.9724
40	20	(20*1)	0.9192	0.9488	0.9484	0.9492	1.0103	1.1248	1.0882	1.0778
	20	(10, 18*0, 10)	0.9174	0.9462	0.9450	0.9450	1.0115	1.1233	1.0794	1.0793
	20	(10, 10, 18*0)	0.9252	0.9536	0.9540	0.9530	0.9295	1.0350	1.0111	0.9868
	20	(18*0, 10, 10)	0.9200	0.9458	0.9454	0.944	1.0646	1.1802	1.1366	1.1380
	20	(9*0, 10, 10, 9*0)	0.9196	0.9440	0.9460	0.9414	0.9853	1.1025	1.0772	1.0494
50	50	(50*0)	0.9402	0.9494	0.9502	0.9484	0.5850	0.6144	0.6112	0.5990
100	50	(50*1)	0.9388	0.9490	0.9494	0.9476	0.6447	0.6765	0.6689	0.6615
	50	(25, 48*0, 25)	0.9406	0.9514	0.9508	0.9508	0.6445	0.6742	0.6638	0.6614
	50	(25, 25, 48*0)	0.9416	0.9494	0.9530	0.9498	0.5871	0.6168	0.6136	0.6012
	50	(48*0, 25, 25)	0.9348	0.9476	0.9486	0.9476	0.6767	0.7070	0.6966	0.6949
	50	(24*0, 25, 25, 24*0)	0.9480	0.9588	0.9600	0.9574	0.6280	0.6624	0.6590	0.6439

Table 11: CPs and ALs of CI for the scale parameter $\hat{\theta}$ at the 0.95 confidence level ($\hat{\theta}$=1.5).

			CPs				ALs			
n	m	Censoring Schemes	CI1	CI2	CI3	CI4	CI1	CI2	CI3	CI4
10	10	(10*0)	0.8980	0.9522	0.9528	0.9500	1.7083	2.0888	1.9636	1.9252
20	10	(10*1)	0.8996	0.9498	0.9478	0.9458	1.8848	2.3206	2.1560	2.1470
	10	(5, 8*0, 5)	0.9026	0.9522	0.9490	0.9496	1.8828	2.3145	2.1314	2.1455
	10	(5, 5, 8*0)	0.8966	0.9500	0.9510	0.9466	1.7348	2.1318	2.0064	1.9595
	10	(8*0, 5, 5)	0.8956	0.9476	0.9454	0.9440	1.9872	2.4406	2.2576	2.2719
	10	(4*0, 5, 5, 4*0)	0.8988	0.9478	0.9450	0.9462	1.8562	2.2945	2.1613	2.1086
	20	(20*0)	0.9296	0.9534	0.9552	0.9530	1.2243	1.3587	1.3278	1.2989
40	20	(20*1)	0.9212	0.9494	0.9492	0.9456	1.3481	1.5014	1.4521	1.4381
	20	(10, 18*0, 10)	0.9210	0.9512	0.9492	0.9490	1.3476	1.4966	1.4382	1.4379
	20	(10, 10, 18*0)	0.9244	0.9510	0.9530	0.9514	1.2359	1.3766	1.3446	1.3121
	20	(18*0, 10, 10)	0.9232	0.9496	0.9456	0.9470	1.4168	1.5717	1.5135	1.5145
	20	(9*0, 10, 10, 9*0)	0.9230	0.9256	0.9514	0.9502	1.3129	1.4681	1.4351	1.3983
50	50	(50*0)	0.9430	0.9516	0.9560	0.9518	0.7812	0.8200	0.8159	0.7998
100	50	(50*1)	0.9396	0.9516	0.9514	0.9514	0.8587	0.9010	0.8909	0.8810
	50	(25, 48*0, 25)	0.9422	0.9536	0.9544	0.9530	0.8597	0.8996	0.8857	0.8822
	50	(25, 25, 48*0)	0.9418	0.9502	0.9516	0.9524	0.7839	0.8240	0.8196	0.8026
	50	(48*0, 25, 25)	0.9342	0.9470	0.9476	0.9470	0.9028	0.9435	0.9296	0.9272
	50	(24*0, 25, 25, 24*0)	0.9428	0.9528	0.9530	0.9504	0.8367	0.8820	0.8779	0.8579

Table 12: CPs and ALs of CI for the scale parameter $\hat{\theta}$ at the 0.95 confidence level ($\hat{\theta}$=2).

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(5*m)	k=5	j=2		0.1834(-0.2168)	0.1369(-0.0228)	0.1508(-0.047)	0.1369(-0.0228)	0.1508(-0.047)
			CPs	[0.8884]	[0.9500]	[0.9266]	[0.9280]	[0.9146]
			ALs	[1.3923]	[1.3878]	[1.3314]	[1.5216]	[1.4597]
		j=3		0.2413(-0.1793)	0.2094(-0.0451)	0.2440(-0.0782)	0.2094(-0.0451)	0.2440(-0.0782)
			CPs	[0.9212]	[0.9500]	[0.9146]	[0.9322]	[0.9104]
			ALs	[1.6828]	[1.7558]	[1.6936]	[1.9182]	[1.8501]
		j=4		0.3611(-0.1864)	0.3293(-0.1103)	0.4010(-0.1267)	0.3293(-0.1103)	0.4033(-0.1243)
			CPs	[0.9332]	[0.9504]	[0.9124]	[0.9368]	[0.9106]
			ALs	[2.2954]	[2.1919]	[2.1692]	[2.4215]	[2.3953]
		j=5		0.7056(-0.2140)	0.6880(-0.2653)	0.7926(-0.3787)	0.6865(-0.2622)	0.7938(-0.2000)
			CPs	[0.9276]	[0.9488]	[0.9156]	[0.9388]	[0.9096]
			ALs	[2.7686]	[3.0284]	[3.0714]	[3.5248]	[3.6353]
	k=10	j=2		0.1791(-0.2248)	0.1296(-0.0338)	0.1450(-0.0591)	0.1296(-0.0338)	0.1450(-0.0589)
			CPs	[0.8776]	[0.9498]	[0.9250]	[0.9304]	[0.9130]
			ALs	[1.2489]	[1.3430]	[1.2837]	[1.4679]	[1.4032]
		j=3		0.2378(-0.1860)	0.2045(-0.0520)	0.2380(-0.0788)	0.2045(-0.0520)	0.2380(-0.0787)
			CPs	[0.9132]	[0.9430]	[0.9108]	[0.9300]	[0.9048]
			ALs	[1.6296]	[1.7096]	[1.6592]	[1.8644]	[1.8085]
		j=4		0.3376(-0.1691)	0.3108(-0.0923)	0.3704(-0.1062)	0.3108(-0.0923)	0.3759(-0.1012)
			CPs	[0.9344]	[0.9540]	[0.9152]	[0.9366]	[0.9108]
			ALs	[2.1739]	[2.1475]	[2.133]	[2.3692]	[2.3505]
		j=5		0.6901(-0.2176)	0.6906(-0.3071)	0.7957(-0.4117)	0.6667(-0.266)	0.7794(-0.1934)
			CPs	[0.9248]	[0.9494]	[0.9126]	[0.9442]	[0.9084]
			ALs	[2.7461]	[2.9864]	[3.0398]	[3.4697]	[3.595]
	k=15	j=2		0.1665(-0.2135)	0.1210(-0.0284)	0.1377(-0.0511)	0.1210(-0.0284)	0.1377(-0.0504)
			CPs	[0.8646]	[0.9442]	[0.9146]	[0.9308]	[0.9056]
			ALs	[1.2317]	[1.2761]	[1.2231]	[1.3880]	[1.3300]
		j=3		0.2096(-0.1805)	0.1777(-0.046)	0.2108(-0.0697)	0.1777(-0.046)	0.2111(-0.069)
			CPs	[0.9182]	[0.9548]	[0.9202]	[0.9422]	[0.916]
			ALs	[1.4247]	[1.6402]	[1.5963]	[1.7834]	[1.7331]
		j=4		0.3356(-0.1916)	0.3037(-0.1123)	0.3615(-0.1263)	0.3037(-0.1123)	0.3700(-0.1137)
			CPs	[0.9284]	[0.9478]	[0.9110]	[0.9412]	[0.9142]
			ALs	[1.9802]	[2.0790]	[2.0767]	[2.2883]	[2.2797]
		j=5		0.6610(-0.2031)	0.7156(-0.3651)	0.7987(-0.4439)	0.6404(-0.2462)	0.7413(-0.1691)
			CPs	[0.9294]	[0.9476]	[0.9140]	[0.9418]	[0.9056]
			ALs	[2.6132]	[2.9227]	[2.9756]	[3.3862]	[3.5138]

Table 13: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI_i when $\hat{\theta}$=2, *m=20*, **r**=(5,5,...,5)

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(10*m)	k=5	j=2		0.0587(-0.1321)	0.0412(-0.0024)	0.0452(-0.0167)	0.0412(-0.0024)	0.0452(-0.0167)
			CPs	[0.8546]	[0.9528]	[0.9288]	[0.9390]	[0.9232]
			ALs	[0.6848]	[0.7762]	[0.7416]	[0.8229]	[0.7863]
		j=3		0.0747(-0.1167)	0.0610(-0.0085)	0.0726(-0.0296)	0.0610(-0.0085)	0.0726(-0.0296)
			CPs	[0.9080]	[0.9510]	[0.9160]	[0.9382]	[0.9164]
			ALs	[0.9262]	[0.9493]	[0.9080]	[1.0012]	[0.9576]
		j=4		0.0940(-0.1061)	0.0829(-0.0153)	0.1006(-0.0428)	0.0829(-0.0153)	0.1006(-0.0428)
			CPs	[0.9232]	[0.9496]	[0.9054]	[0.9358]	[0.9048]
			ALs	[1.1319]	[1.0968]	[1.0511]	[1.1527]	[1.1046]
		j=5		0.1137(-0.1047)	0.1033(-0.0289)	0.1326(-0.0598)	0.1033(-0.0289)	0.1326(-0.0598)
			CPs	[0.9330]	[0.9468]	[0.8936]	[0.9424]	[0.9046]
			ALs	[1.2767]	[1.2352]	[1.1899]	[1.2962]	[1.2486]
		j=6		0.1342(-0.0794)	0.1267(-0.0186)	0.1736(-0.0398)	0.1267(-0.0186)	0.1736(-0.0398)
			CPs	[0.9420]	[0.9468]	[0.8880]	[0.9374]	[0.8846]
			ALs	[1.4334]	[1.3773]	[1.3493]	[1.4461]	[1.4164]
		j=7		0.1657(-0.0897)	0.1572(-0.0432)	0.2218(-0.0613)	0.1572(-0.0432)	0.2229(-0.0606)
			CPs	[0.9426]	[0.9482]	[0.8884]	[0.9438]	[0.8928]
			ALs	[1.6254]	[1.5387]	[1.5176]	[1.6211]	[1.5985]
		j=8		0.2137(-0.0971)	0.2051(-0.0707)	0.2792(-0.0775)	0.2051(-0.0707)	0.2930(-0.0631)
			CPs	[0.9452]	[0.949]	[0.8898]	[0.9418]	[0.8856]
			ALs	[1.7620]	[1.7469]	[1.7553]	[1.8553]	[1.8638]
		j=9		0.3050(-0.1275)	0.2957(-0.1343)	0.3678(-0.2097)	0.2957(-0.1343)	0.4207(-0.083)
			CPs	[0.9376]	[0.9514]	[0.8878]	[0.9496]	[0.8846]
			ALs	[2.2037]	[2.0724]	[2.1277]	[2.2413]	[2.3017]
		j=10		0.5969(-0.1481)	0.9968(-0.6808)	1.0272(-0.6985)	0.6076(-0.2729)	0.7551(-0.0891)
			CPs	[0.9338]	[0.9496]	[0.8980]	[0.9520]	[0.8870]
			ALs	[2.5685]	[2.8182]	[2.8563]	[3.2158]	[3.4624]
	k=10	j=2		0.0603(-0.1334)	0.0426(-0.0062)	0.0467(-0.0215)	0.0426(-0.0062)	0.0467(-0.0214)
			CPs	[0.8424]	[0.9462]	[0.9226]	[0.9366]	[0.9202]
			ALs	[0.6756]	[0.7584]	[0.7213]	[0.8027]	[0.7636]
		j=3		0.0735(-0.1190)	0.0594(-0.0121)	0.0701(-0.0314)	0.0594(-0.0121)	0.0701(-0.0313)
			CPs	[0.9034]	[0.9496]	[0.9134]	[0.9398]	[0.9142]
			ALs	[0.9210]	[0.9292]	[0.8916]	[0.9789]	[0.9391]
		j=4		0.0902(-0.1078)	0.0787(-0.0176)	0.0971(-0.0423)	0.0787(-0.0176)	0.0971(-0.0422)
			CPs	[0.9234]	[0.9536]	[0.9084]	[0.9446]	[0.9112]
			ALs	[1.1161]	[1.0764]	[1.0354]	[1.1304]	[1.0871]
		j=5		0.1100(-0.0975)	0.1006(-0.0223)	0.1307(-0.0456)	0.1006(-0.0223)	0.1307(-0.0456)
			CPs	[0.9310]	[0.9492]	[0.8970]	[0.9406]	[0.8974]
			ALs	[1.2015]	[1.2147]	[1.1805]	[1.2739]	[1.2375]
		j=6		0.1337(-0.0927)	0.1247(-0.0305)	0.1711(-0.058)	0.1247(-0.0305)	0.1711(-0.0579)
			CPs	[0.9368]	[0.9438]	[0.8890]	[0.9378]	[0.8882]
			ALs	[1.4258]	[1.3576]	[1.3214]	[1.4247]	[1.3863]
		j=7		0.1610(-0.0928)	0.1526(-0.0451)	0.2123(-0.0651)	0.1526(-0.0451)	0.2136(-0.0640)
			CPs	[0.9414]	[0.9494]	[0.8918]	[0.9448]	[0.8932]
			ALs	[1.5105]	[1.5199]	[1.4970]	[1.6006]	[1.5757]
		j=8		0.2091(-0.1031)	0.2001(-0.0761)	0.2693(-0.0849)	0.2001(-0.0761)	0.2876(-0.0659)
			CPs	[0.9384]	[0.9518]	[0.8936]	[0.947]	[0.8942]
			ALs	[1.7520]	[1.7288]	[1.7404]	[1.8354]	[1.8461]
		j=9		0.2999(-0.1269)	0.2927(-0.1330)	0.3621(-0.2226)	0.2927(-0.1330)	0.4102(-0.0779)
			CPs	[0.9374]	[0.9504]	[0.8950]	[0.9456]	[0.8942]
			ALs	[2.1469]	[2.0552]	[2.1147]	[2.2217]	[2.2853]
		j=10		0.5627(-0.1347)	0.9888(-0.6949)	1.0111(-0.7088)	0.5749(-0.2634)	0.7225(-0.0662)
			CPs	[0.9410]	[0.9524]	[0.8984]	[0.9504]	[0.8884]
			ALs	[3.1001]	[2.8013]	[2.8415]	[3.1940]	[3.4559]
	k=15	j=2		0.0540(-0.1279)	0.0376(-0.0049)	0.0424(-0.0179)	0.0376(-0.0049)	0.0424(-0.0176)
			CPs	[0.8480]	[0.9504]	[0.9252]	[0.9402]	[0.9202]
			ALs	[0.6320]	[0.7304]	[0.6987]	[0.7709]	[0.7374]
		j=3		0.0705(-0.1151)	0.0573(-0.0104)	0.0675(-0.0303)	0.0573(-0.0104)	0.0675(-0.0301)
			CPs	[0.9022]	[0.9426]	[0.9082]	[0.9352]	[0.9054]
			ALs	[0.8824]	[0.8993]	[0.8603]	[0.9456]	[0.9046]
		j=4		0.0823(-0.0969)	0.0728(-0.0078)	0.0913(-0.0297)	0.0728(-0.0078)	0.0913(-0.0295)
			CPs	[0.9292]	[0.9500]	[0.9046]	[0.9356]	[0.9054]
			ALs	[1.0646]	[1.0445]	[1.0080]	[1.0954]	[1.0566]
		j=5		0.1045(-0.0999)	0.0944(-0.0245)	0.1262(-0.0483)	0.0944(-0.0245)	0.1262(-0.0481)
			CPs	[0.9308]	[0.9538]	[0.8914]	[0.9434]	[0.8984]
			ALs	[1.2013]	[1.1831]	[1.1484]	[1.2396]	[1.2023]
		j=6		0.1268(-0.0959)	0.1180(-0.0337)	0.1608(-0.0542)	0.1180(-0.0337)	0.1610(-0.0539)
			CPs	[0.9390]	[0.9496]	[0.8982]	[0.9412]	[0.8948]
			ALs	[1.3807]	[1.3264]	[1.2998]	[1.3910]	[1.3615]
		j=7		0.1554(-0.0892)	0.1476(-0.0426)	0.2035(-0.0530)	0.1476(-0.0426)	0.2060(-0.0506)
			CPs	[0.9430]	[0.9524]	[0.8968]	[0.9426]	[0.8950]
			ALs	[1.5502]	[1.4895]	[1.4798]	[1.5676]	[1.5552]
		j=8		0.2035(-0.0971)	0.1955(-0.0685)	0.2581(-0.0852)	0.1955(-0.0685)	0.2815(-0.0534)
			CPs	[0.9386]	[0.9480]	[0.8834]	[0.9404]	[0.8788]
			ALs	[1.7655]	[1.6996]	[1.7169]	[1.8032]	[1.8181]
		j=9		0.2885(-0.1198)	0.2837(-0.1297)	0.3546(-0.2382)	0.2826(-0.1260)	0.3934(-0.0620)
			CPs	[0.9410]	[0.9540]	[0.8960]	[0.9510]	[0.8930]
			ALs	[1.6929]	[2.0269]	[2.0964]	[2.1893]	[2.2610]
		j=10		0.5464(-0.1415)	1.0277(-0.7333)	1.0494(-0.7469)	0.5583(-0.2632)	0.7089(-0.0714)
			CPs	[0.9398]	[0.9528]	[0.8968]	[0.9532]	[0.8840]
			ALs	[2.3312]	[2.7741]	[2.7970]	[3.1588]	[3.4096]

Table 14: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI$_i$ when $\hat{\theta}$=2, *m=20*, **r**=(10,10,...,10)

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(5*m)	k=10	j=2		0.1755(-0.2072)	0.1327(-0.0163)	0.1404(-0.0284)	0.1327(-0.0163)	0.1404(-0.0284)
			CPs	[0.8922]	[0.9552]	[0.9394]	[0.9308]	[0.9224]
			ALs	[1.3232]	[1.3872]	[1.3587]	[1.5208]	[1.4896]
		j=3		0.2442(-0.1870)	0.2118(-0.0603)	0.2321(-0.0768)	0.2118(-0.0603)	0.2321(-0.0768)
			CPs	[0.9262]	[0.9526]	[0.9316]	[0.9344]	[0.9238]
			ALs	[1.8786]	[1.7553]	[1.7242]	[1.9176]	[1.8836]
		j=4		0.3595(-0.1769)	0.3373(-0.111)	0.3722(-0.1169)	0.3373(-0.111)	0.3724(-0.1168)
			CPs	[0.9366]	[0.9486]	[0.9262]	[0.9338]	[0.9232]
			ALs	[2.0334]	[2.1911]	[2.1816]	[2.4206]	[2.4095]
		j=5		0.6894(-0.2208)	0.6902(-0.2626)	0.7636(-0.3503)	0.6892(-0.2608)	0.7372(-0.2285)
			CPs	[0.9254]	[0.9474]	[0.9314]	[0.9374]	[0.9286]
			ALs	[3.2888]	[3.0279]	[3.0661]	[3.5242]	[3.5817]
	k=20	j=2		0.1781(-0.2245)	0.1288(-0.0368)	0.1370(-0.0498)	0.1288(-0.0368)	0.1370(-0.0497)
			CPs	[0.8768]	[0.9510]	[0.9362]	[0.9328]	[0.9254]
			ALs	[1.3209]	[1.3414]	[1.3111]	[1.4660]	[1.4330]
		j=3		0.2328(-0.1793)	0.2024(-0.0521)	0.2216(-0.0657)	0.2024(-0.0521)	0.2216(-0.0656)
			CPs	[0.9194]	[0.9520]	[0.9304]	[0.9358]	[0.9266]
			ALs	[1.6662]	[1.7078]	[1.6824]	[1.8624]	[1.8341]
		j=4		0.3363(-0.1783)	0.3123(-0.1095)	0.3475(-0.1160)	0.3123(-0.1095)	0.3478(-0.1155)
			CPs	[0.9364]	[0.9526]	[0.9348]	[0.943]	[0.9276]
			ALs	[2.2454]	[2.1460]	[2.1363]	[2.3675]	[2.3555]
		j=5		0.6750(-0.2220)	0.6843(-0.2974)	0.7576(-0.3776)	0.6613(-0.2557)	0.7311(-0.2244)
			CPs	[0.9314]	[0.9480]	[0.9270]	[0.9372]	[0.9158]
			ALs	[2.9664]	[2.9855]	[3.0206]	[3.4686]	[3.5223]
	k=30	j=2		0.1603(-0.2081)	0.1174(-0.026)	0.1259(-0.0389)	0.1174(-0.026)	0.1259(-0.0386)
			CPs	[0.8736]	[0.9470]	[0.9322]	[0.9326]	[0.9204]
			ALs	[1.1710]	[1.2731]	[1.2430]	[1.3845]	[1.3520]
		j=3		0.2172(-0.1835)	0.1867(-0.0562)	0.2009(-0.0664)	0.1867(-0.0562)	0.2009(-0.0661)
			CPs	[0.9190]	[0.9508]	[0.9332]	[0.9362]	[0.9264]
			ALs	[1.7134]	[1.6357]	[1.6168]	[1.7781]	[1.7561]
		j=4		0.3146(-0.1707)	0.2895(-0.098)	0.3281(-0.1040)	0.2895(-0.098)	0.3303(-0.1013)
			CPs	[0.9312]	[0.9518]	[0.9300]	[0.9398]	[0.9244]
			ALs	[2.1338]	[2.0759]	[2.0704]	[2.2846]	[2.2758]
		j=5		0.6394(-0.2236)	0.7159(-0.3769)	0.76(-0.4268)	0.6366(-0.2532)	0.6809(-0.2155)
			CPs	[0.9252]	[0.9436]	[0.9306]	[0.9438]	[0.9290]
			ALs	[2.7159]	[2.9187]	[2.9605]	[3.3810]	[3.4432]

Table 15: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI$_i$ when $\hat{\theta}$=2, *m=40*, **r**=(5,5,...,5)

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(10*m)	k=10	j=2		0.0583(-0.1317)	0.0409(-0.0025)	0.0432(-0.0110)	0.0409(-0.0025)	0.0432(-0.011)
			CPs	[0.8590]	[0.9520]	[0.9394]	[0.9366]	[0.9306]
			ALs	[0.7042]	[0.7761]	[0.7555]	[0.8228]	[0.8009]
		j=3		0.0706(-0.1110)	0.0583(-0.0042)	0.0633(-0.0162)	0.0583(-0.0042)	0.0633(-0.0162)
			CPs	[0.9188]	[0.9518]	[0.9382]	[0.9430]	[0.9290]
			ALs	[0.9398]	[0.9491]	[0.9257]	[1.0010]	[0.9763]
		j=4		0.0952(-0.1039)	0.0845(-0.0159)	0.0954(-0.0299)	0.0845(-0.0159)	0.0954(-0.0299)
			CPs	[0.9288]	[0.9448]	[0.9192]	[0.9336]	[0.9164]
			ALs	[1.1308]	[1.0966]	[1.0734]	[1.1525]	[1.1281]
		j=5		0.1134(-0.1015)	0.1039(-0.0297)	0.1190(-0.0456)	0.1039(-0.0297)	0.1190(-0.0456)
			CPs	[0.9336]	[0.9492]	[0.9248]	[0.9420]	[0.9188]
			ALs	[1.2104]	[1.235]	[1.2118]	[1.2959]	[1.2714]
		j=6		0.1339(-0.0989)	0.1254(-0.0426)	0.1494(-0.0574)	0.1254(-0.0426)	0.1494(-0.0574)
			CPs	[0.9394]	[0.9570]	[0.9252]	[0.9472]	[0.9214]
			ALs	[1.4195]	[1.3771]	[1.3575]	[1.4458]	[1.4252]
		j=7		0.1612(-0.0784)	0.1551(-0.0374)	0.1929(-0.0483)	0.1551(-0.0374)	0.1929(-0.0483)
			CPs	[0.9468]	[0.9514]	[0.9188]	[0.9408]	[0.9160]
			ALs	[1.5223]	[1.5384]	[1.5252]	[1.6208]	[1.6066]
		j=8		0.2062(-0.0942)	0.2009(-0.0733)	0.2447(-0.0719)	0.2009(-0.0733)	0.2487(-0.0676)
			CPs	[0.9436]	[0.9510]	[0.9192]	[0.9470]	[0.9158]
			ALs	[1.7163]	[1.7467]	[1.7532]	[1.8551]	[1.8616]
		j=9		0.3024(-0.1175)	0.2985(-0.1259)	0.3436(-0.1771)	0.2985(-0.1259)	0.3644(-0.1008)
			CPs	[0.9376]	[0.9490]	[0.9138]	[0.9448]	[0.9148]
			ALs	[2.0686]	[2.0721]	[2.0998]	[2.2411]	[2.2706]
		j=10		0.5849(-0.1701)	0.9828(-0.6726)	0.9963(-0.6814)	0.6002(-0.2645)	0.6804(-0.1689)
			CPs	[0.9292]	[0.9498]	[0.9204]	[0.9508]	[0.9100]
			ALs	[2.7000]	[2.8181]	[2.8635]	[3.2156]	[3.3438]
	k=20	j=2		0.0585(-0.1329)	0.0408(-0.0064)	0.0433(-0.0132)	0.0408(-0.0064)	0.0433(-0.0131)
			CPs	[0.8482]	[0.9488]	[0.9358]	[0.9372]	[0.9300]
			ALs	[0.6717]	[0.7576]	[0.7411]	[0.8017]	[0.7843]
		j=3		0.0736(-0.1191)	0.0597(-0.0137)	0.0643(-0.0243)	0.0597(-0.0137)	0.0643(-0.0243)
			CPs	[0.9038]	[0.9516]	[0.9364]	[0.9438]	[0.9326]
			ALs	[0.9169]	[0.9288]	[0.9081]	[0.9784]	[0.9566]
		jj=4		0.0890(-0.1000)	0.0791(-0.0125)	0.0891(-0.0260)	0.0791(-0.0125)	0.0891(-0.0260)
			CPs	[0.9262]	[0.9470]	[0.9276]	[0.9394]	[0.9224]
			ALs	[1.0837]	[1.0758]	[1.0532]	[1.1297]	[1.1059]
		j=5		0.1121(-0.1014)	0.1026(-0.0301)	0.1169(-0.0405)	0.1026(-0.0301)	0.1169(-0.0404)
			CPs	[0.9336]	[0.9506]	[0.9258]	[0.9430]	[0.9222]
			ALs	[1.1458]	[1.2140]	[1.1989]	[1.2731]	[1.2569]
		j=6		0.1328(-0.0995)	0.1242(-0.0429)	0.1484(-0.0545)	0.1242(-0.0429)	0.1484(-0.0545)
			CPs	[0.9394]	[0.9482]	[0.9206]	[0.9398]	[0.9176]
			ALs	[1.3739]	[1.3566]	[1.3414]	[1.4237]	[1.4073]
		j=7		0.1622(-0.0895)	0.1556(-0.0484)	0.1899(-0.0563)	0.1556(-0.0484)	0.1900(-0.0562)
			CPs	[0.9416]	[0.9482]	[0.9168]	[0.9400]	[0.9122]
			ALs	[1.4939]	[1.5190]	[1.5096]	[1.5997]	[1.5892]
		j=8		0.1999(-0.0924)	0.1949(-0.0716)	0.2351(-0.0672)	0.1949(-0.0716)	0.2394(-0.0617)
			CPs	[0.9464]	[0.9550]	[0.9208]	[0.9456]	[0.9166]
			ALs	[1.7808]	[1.7280]	[1.7392]	[1.8346]	[1.8455]
		j=9		0.2902(-0.1200)	0.2870(-0.1268)	0.3310(-0.1914)	0.2870(-0.1268)	0.3482(-0.1024)
			CPs	[0.9416]	[0.9512]	[0.9188]	[0.9476]	[0.9154]
			ALs	[2.0174]	[2.0545]	[2.0814]	[2.2209]	[2.2489]
		j=10		0.6131(-0.1895)	1.0651(-0.7175)	1.0756(-0.7237)	0.6314(-0.2851)	0.7060(-0.183)
			CPs	[0.9246]	[0.942]	[0.9114]	[0.9470]	[0.9046]
			ALs	[3.0425]	[2.8007]	[2.8501]	[3.1932]	[3.3287]
	k=30	j=2		0.0531(-0.1265)	0.0371(-0.0043)	0.0392(-0.0114)	0.0371(-0.0043)	0.0392(-0.0113)
			CPs	[0.8460]	[0.9546]	[0.9404]	[0.9402]	[0.9294]
			ALs	[0.6406]	[0.7289]	[0.7115]	[0.7693]	[0.7509]
		j=3		0.0660(-0.1074)	0.0544(-0.0044)	0.0601(-0.0131)	0.0544(-0.0044)	0.0601(-0.0129)
			CPs	[0.9140]	[0.9538]	[0.9336]	[0.9410]	[0.9244]
			ALs	[0.8575]	[0.8972]	[0.8802]	[0.9433]	[0.9252]
		j=4		0.0820(-0.0956)	0.0729(-0.0091)	0.0829(-0.0202)	0.0729(-0.0091)	0.0829(-0.0201)
			CPs	[0.9322]	[0.9472]	[0.9292]	[0.9368]	[0.9222]
			ALs	[1.0407]	[1.0429]	[1.0245]	[1.0937]	[1.0740]
		j=5		0.1016(-0.0926)	0.0931(-0.0210)	0.1094(-0.0336)	0.0931(-0.0210)	0.1094(-0.0335)
			CPs	[0.9368]	[0.9534]	[0.9274]	[0.9428]	[0.9224]
			ALs	[1.1871]	[1.1814]	[1.1630]	[1.2377]	[1.2181]
		j=6		0.1296(-0.0913)	0.1221(-0.0337)	0.1445(-0.0462)	0.1221(-0.0337)	0.1445(-0.0461)
			CPs	[0.9390]	[0.9456]	[0.9170]	[0.9378]	[0.9128]
			ALs	[1.2616]	[1.3247]	[1.3084]	[1.3891]	[1.3713]
		j=7		0.1563(-0.0925)	0.1489(-0.0501)	0.1834(-0.0585)	0.1489(-0.0501)	0.1836(-0.0582)
			CPs	[0.9400]	[0.9456]	[0.9118]	[0.9432]	[0.9126]
			ALs	[1.5055]	[1.4878]	[1.4779]	[1.5658]	[1.5544]
		j=8		0.1965(-0.0980)	0.1912(-0.0750)	0.2278(-0.0754)	0.1912(-0.0750)	0.2349(-0.0649)
			CPs	[0.9464]	[0.9556]	[0.9198]	[0.9470]	[0.9164]
			ALs	[1.6884]	[1.6979]	[1.7095]	[1.8013]	[1.8117]
		j=9		0.2935(-0.1235)	0.2894(-0.1302)	0.3409(-0.2162)	0.2888(-0.1283)	0.3546(-0.1018)
			CPs	[0.9354]	[0.9484]	[0.9182]	[0.9470]	[0.9096]
			ALs	[1.9878]	[2.0258]	[2.0551]	[2.1880]	[2.2173]
		j=10		0.5670(-0.1760)	1.0681(-0.7433)	1.0758(-0.7482)	0.5884(-0.2705)	0.6539(-0.1624)
			CPs	[0.9272]	[0.9450]	[0.9224]	[0.9444]	[0.9166]
			ALs	[2.1975]	[2.7722]	[2.8188]	[3.1564]	[3.2977]

Table 16: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI$_i$ when $\hat{\theta}$=2, m=*40*, **r**=(10,10,...,10)

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(5*m)	k=25	j=2		0.1796(-0.2099)	0.1359(-0.0204)	0.1391(-0.0262)	0.1359(-0.0204)	0.1391(-0.0262)
			CPs	[0.8924]	[0.9474]	[0.9436]	[0.9306]	[0.9258]
			ALs	[1.4334]	[1.3866]	[1.3732]	[1.5202]	[1.5055]
		j=3		0.2368(-0.1688)	0.2105(-0.0460)	0.2168(-0.0561)	0.2105(-0.0460)	0.2168(-0.0561)
			CPs	[0.9316]	[0.9488]	[0.9438]	[0.9318]	[0.9284]
			ALs	[1.7885]	[1.7550]	[1.7360]	[1.9173]	[1.8966]
		j=4		0.3554(-0.1658)	0.3377(-0.1049)	0.3525(-0.1102)	0.3377(-0.1049)	0.3525(-0.1102)
			CPs	[0.9338]	[0.9488]	[0.9428]	[0.9410]	[0.9346]
			ALs	[2.1776]	[2.1909]	[2.1823]	[2.4204]	[2.4107]
		j=5		0.6783(-0.2312)	0.6882(-0.2631)	0.7307(-0.3248)	0.6879(-0.2625)	0.7066(-0.2552)
			CPs	[0.9282]	[0.9486]	[0.9426]	[0.9436]	[0.9380]
			ALs	[2.5862]	[3.0276]	[3.0387]	[3.5238]	[3.5365]
	k=50	j=2		0.1711(-0.2141)	0.1258(-0.0281)	0.1303(-0.0335)	0.1258(-0.0281)	0.1303(-0.0334)
			CPs	[0.8796]	[0.9524]	[0.9470]	[0.9368]	[0.9304]
			ALs	[1.3064]	[1.3402]	[1.3276]	[1.4645]	[1.4509]
		j=3		0.2246(-0.1764)	0.1958(-0.0535)	0.2046(-0.0586)	0.1958(-0.0535)	0.2046(-0.0586)
			CPs	[0.9262]	[0.9480]	[0.9426]	[0.9346]	[0.9310]
			ALs	[1.7364]	[1.7068]	[1.6973]	[1.8611]	[1.8505]
		j=4		0.3373(-0.1717)	0.3182(-0.1082)	0.3329(-0.1110)	0.3182(-0.1082)	0.3329(-0.1110)
			CPs	[0.9380]	[0.9480]	[0.9394]	[0.9382]	[0.9306]
			ALs	[2.3095]	[2.1450]	[2.1405]	[2.3663]	[2.3608]
		j=5		0.6357(-0.2250)	0.6683(-0.3006)	0.7003(-0.3457)	0.6440(-0.2574)	0.6610(-0.2384)
			CPs	[0.9280]	[0.9524]	[0.9458]	[0.9440]	[0.9334]
			ALs	[2.8283]	[2.9842]	[3.0134]	[3.4670]	[3.4999]
	k=75	j=2		0.1494(-0.1992)	0.1101(-0.0192)	0.1126(-0.0241)	0.1101(-0.0192)	0.1126(-0.0240)
			CPs	[0.8830]	[0.9512]	[0.9466]	[0.9336]	[0.9316]
			ALs	[1.1915]	[1.2701]	[1.2586]	[1.3809]	[1.3684]
		j=3		0.2029(-0.1712)	0.1758(-0.0472)	0.1818(-0.0529)	0.1758(-0.0472)	0.1818(-0.0528)
			CPs	[0.9288]	[0.9530]	[0.9502]	[0.9406]	[0.9350]
			ALs	[1.6713]	[1.6341]	[1.6235]	[1.7762]	[1.7644]
		j=4		0.3108(-0.1735)	0.2903(-0.1057)	0.3049(-0.1072)	0.2903(-0.1057)	0.3050(-0.1071)
			CPs	[0.9358]	[0.9506]	[0.9406]	[0.9404]	[0.9362]
			ALs	[2.1173]	[2.0734]	[2.0712]	[2.2817]	[2.2781]
		j=5		0.6333(-0.2367)	0.7211(-0.3884)	0.7399(-0.4107)	0.6378(-0.2614)	0.6548(-0.2421)
			CPs	[0.9230]	[0.9526]	[0.9418]	[0.9454]	[0.9386]
			ALs	[2.8398]	[2.9160]	[2.9460]	[3.3774]	[3.4097]

Table 17: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI_i when $\hat{\theta}$=2, *m=100*, **r**=(5,5,...,5)

CSs	k	j		$\hat{Y}_1$ [PI1]	$\hat{Y}_2$ [PI2]	$\hat{Y}_3$ [PI3]	$\hat{Y}_4$[PI4]	$\hat{Y}_5$ [PI5]
(10*m)	k=25	j=2		0.0597(-0.1347)	0.0416(-0.0057)	0.0425(-0.0069)	0.0416(-0.0057)	0.0425(-0.0069)
			CPs	[0.8538]	[0.9522]	[0.9476]	[0.9360]	[0.9326]
			ALs	[0.6992]	[0.7760]	[0.7733]	[0.8227]	[0.8197]
		j=3		0.0751(-0.1169)	0.0615(-0.0109)	0.0633(-0.0130)	0.0615(-0.0109)	0.0633(-0.0130)
			CPs	[0.9124]	[0.9466]	[0.9454]	[0.9410]	[0.9386]
			ALs	[0.9422]	[0.9490]	[0.9448]	[1.0008]	[0.9964]
		j=4		0.0928(-0.1030)	0.0824(-0.0165)	0.0859(-0.0177)	0.0824(-0.0165)	0.0859(-0.0177)
			CPs	[0.9278]	[0.9454]	[0.9422]	[0.9386]	[0.9340]
			ALs	[1.1057]	[1.0964]	[1.0943]	[1.1523]	[1.1500]
		j=5		0.1067(-0.0813)	0.1001(-0.0121)	0.1073(-0.0119)	0.1001(-0.0121)	0.1073(-0.0119)
			CPs	[0.9436]	[0.9500]	[0.9416]	[0.9368]	[0.9314]
			ALs	[1.2409]	[1.2347]	[1.2349]	[1.2956]	[1.2957]
		j=6		0.1334(-0.0852)	0.1269(-0.0324)	0.1373(-0.0312)	0.1269(-0.0324)	0.1373(-0.0312)
			CPs	[0.9452]	[0.9504]	[0.9406]	[0.9422]	[0.9338]
			ALs	[1.4082]	[1.3767]	[1.3784]	[1.4455]	[1.4470]
		j=7		0.1665(-0.0901)	0.1609(-0.0538)	0.1750(-0.0554)	0.1609(-0.0538)	0.1750(-0.0554)
			CPs	[0.9440]	[0.9472]	[0.9324]	[0.9424]	[0.9280]
			ALs	[1.5668]	[1.5382]	[1.5362]	[1.6205]	[1.6183]
		j=8		0.2043(-0.0948)	0.2006(-0.0779)	0.2209(-0.0779)	0.2006(-0.0779)	0.2211(-0.0777)
			CPs	[0.9448]	[0.9544]	[0.9376]	[0.9466]	[0.9352]
			ALs	[1.7438]	[1.7465]	[1.7467]	[1.8550]	[1.8551]
		j=9		0.2946(-0.1146)	0.2948(-0.1245)	0.3211(-0.1613)	0.2948(-0.1245)	0.3257(-0.1274)
			CPs	[0.9402]	[0.9464]	[0.9326]	[0.9456]	[0.9322]
			ALs	[1.9925]	[2.0720]	[2.0688]	[2.2409]	[2.2373]
		j=10		0.5801(-0.1962)	0.9929(-0.6806)	0.9962(-0.6828)	0.6039(-0.2722)	0.6567(-0.2739)
			CPs	[0.9262]	[0.9508]	[0.9334]	[0.9470]	[0.9350]
			ALs	[2.5731]	[2.8179]	[2.8092]	[3.2154]	[3.2130]
	k=50	j=2		0.0568(-0.1309)	0.0396(-0.0047)	0.0406(-0.0055)	0.0396(-0.0047)	0.0406(-0.0054)
			CPs	[0.8454]	[0.9562]	[0.9480]	[0.9426]	[0.9390]
			ALs	[0.6798]	[0.7572]	[0.7553]	[0.8012]	[0.7991]
		j=3		0.0745(-0.1175)	0.0608(-0.0130)	0.0628(-0.0139)	0.0608(-0.0130)	0.0628(-0.0139)
			CPs	[0.9018]	[0.9484]	[0.9436]	[0.9362]	[0.9340]
			ALs	[0.9162]	[0.9284]	[0.9266]	[0.9779]	[0.9757]
		j=4		0.0885(-0.1036)	0.0780(-0.0177)	0.0818(-0.0176)	0.0780(-0.0177)	0.0818(-0.0175)
			CPs	[0.9244]	[0.9524]	[0.9456]	[0.9436]	[0.9370]
			ALs	[1.0759]	[1.0752]	[1.0755]	[1.1291]	[1.1290]
		j=5		0.1059(-0.0889)	0.0984(-0.0194)	0.1040(-0.0218)	0.0984(-0.0194)	0.1040(-0.0218)
			CPs	[0.9398]	[0.9524]	[0.9476]	[0.9460]	[0.9426]
			ALs	[1.2355]	[1.2137]	[1.2101]	[1.2728]	[1.2688]
		j=6		0.1299(-0.0816)	0.1237(-0.0281)	0.1346(-0.0296)	0.1237(-0.0281)	0.1346(-0.0296)
			CPs	[0.9462]	[0.9512]	[0.9380]	[0.9388]	[0.9290]
			ALs	[1.4083]	[1.3563]	[1.3544]	[1.4234]	[1.4211]
		j=7		0.1631(-0.0883)	0.1574(-0.0510)	0.1726(-0.0533)	0.1574(-0.0510)	0.1726(-0.0533)
			CPs	[0.9430]	[0.9472]	[0.9342]	[0.9398]	[0.9280]
			ALs	[1.5172]	[1.5185]	[1.5157]	[1.5991]	[1.5959]
		j=8		0.2074(-0.0946)	0.2033(-0.0759)	0.2243(-0.0796)	0.2033(-0.0759)	0.2245(-0.0792)
			CPs	[0.9394]	[0.9496]	[0.9312]	[0.9454]	[0.9336]
			ALs	[1.7085]	[1.7277]	[1.7240]	[1.8342]	[1.8300]
		j=9		0.2898(-0.1143)	0.2899(-0.1234)	0.3173(-0.1683)	0.2899(-0.1234)	0.3191(-0.1246)
			CPs	[0.9374]	[0.9546]	[0.9374]	[0.9464]	[0.9338]
			ALs	[1.9844]	[2.0540]	[2.0526]	[2.2203]	[2.2185]
		j=10		0.5679(-0.1993)	1.0173(-0.7053)	1.0198(-0.7068)	0.5939(-0.2726)	0.6407(-0.2768)
			CPs	[0.9224]	[0.9484]	[0.9320]	[0.9470]	[0.9354]
			ALs	[2.5364]	[2.8004]	[2.7891]	[3.1929]	[3.1869]
	k=75	j=2		0.0554(-0.1308)	0.0383(-0.0091)	0.0391(-0.0115)	0.0383(-0.0091)	0.0391(-0.0114)
			CPs	[0.8412]	[0.9470]	[0.9430]	[0.9362]	[0.9328]
			ALs	[0.6435]	[0.7279]	[0.7221]	[0.7681]	[0.7619]
		j=3		0.0664(-0.1113)	0.0541(-0.0091)	0.0561(-0.0136)	0.0541(-0.0091)	0.0561(-0.0136)
			CPs	[0.9100]	[0.9496]	[0.9434]	[0.9402]	[0.9328]
			ALs	[0.8827]	[0.8963]	[0.8875]	[0.9423]	[0.9330]
		j=4		0.0821(-0.0979)	0.0727(-0.0128)	0.0763(-0.0182)	0.0727(-0.0128)	0.0763(-0.0181)
			CPs	[0.9286]	[0.9514]	[0.9440]	[0.9450]	[0.9392]
			ALs	[1.0505]	[1.0419]	[1.0330]	[1.0926]	[1.0832]
		j=5		0.1010(-0.0948)	0.0925(-0.0257)	0.0994(-0.0284)	0.0925(-0.0257)	0.0994(-0.0284)
			CPs	[0.9408]	[0.9526]	[0.9440]	[0.9420]	[0.9346]
			ALs	[1.2073]	[1.1802]	[1.1762]	[1.2363]	[1.2318]
		j=6		0.1206(-0.0883)	0.1138(-0.0342)	0.1233(-0.0371)	0.1138(-0.0342)	0.1233(-0.0370)
			CPs	[0.9468]	[0.9540]	[0.9410]	[0.9476]	[0.9384]
			ALs	[1.3379]	[1.3234]	[1.3197]	[1.3877]	[1.3834]
		j=7		0.1594(-0.0913)	0.1532(-0.0523)	0.1685(-0.0569)	0.1532(-0.0523)	0.1685(-0.0569)
			CPs	[0.9408]	[0.9452]	[0.9316]	[0.9364]	[0.9280]
			ALs	[1.5123]	[1.4869]	[1.4813]	[1.5648]	[1.5585]
		j=8		0.1979(-0.0913)	0.1937(-0.0713)	0.2130(-0.0687)	0.1937(-0.0713)	0.2139(-0.0676)
			CPs	[0.9400]	[0.9504]	[0.9350]	[0.9470]	[0.9306]
			ALs	[1.6822]	[1.6970]	[1.7012]	[1.8003]	[1.8040]
		j=9		0.2722(-0.1163)	0.2723(-0.1234)	0.2982(-0.1821)	0.2722(-0.1228)	0.2971(-0.1101)
			CPs	[0.9410]	[0.9556]	[0.9430]	[0.9538]	[0.9404]
			ALs	[2.0140]	[2.0245]	[2.0387]	[2.1865]	[2.2007]
		j=10		0.5848(-0.2147)	1.1044(-0.7600)	1.1052(-0.7605)	0.6087(-0.2861)	0.6382(-0.2438)
			CPs	[0.9162]	[0.9492]	[0.9330]	[0.9484]	[0.9332]
			ALs	[2.7810]	[2.7715]	[2.8081]	[3.1554]	[3.2107]

Table 18: MSEs, bias (in parenthesis) for $\hat{Y}_i$ and CPs [ ], ALs [ ] for PI_i when $\hat{\theta}$=2, *m=100*, **r**=(10,10,...,10)