

A. Test Case 1

Table IX
 $\alpha = 3.00$

	TPR	FPR	TNR	FNR
1	45.45%	12.73%	38.18%	3.64%
2	45.83%	5.56%	41.67%	6.94%
3	27.27%	38.64%	27.27%	6.82%
μ	39.52%	18.97%	35.71%	5.80%
σ	10.61%	17.40%	7.51%	1.87%

	PR	RE	SP	A	F
1	78.13%	92.59%	75.00%	83.64%	84.75%
2	89.19%	86.84%	88.24%	87.50%	88.00%
3	41.38%	80.00%	41.38%	54.55%	54.55%
μ	69.56%	86.48%	68.20%	75.23%	75.76%
σ	25.03%	6.30%	24.16%	18.01%	18.45%

Table X
 $\alpha = 4.00$

	TPR	FPR	TNR	FNR
1	40.54%	10.81%	45.95%	2.70%
2	59.46%	2.70%	35.14%	2.70%
3	35.90%	17.95%	46.15%	0.00%
μ	45.30%	10.49%	42.41%	1.80%
σ	12.48%	7.63%	6.30%	1.56%

	PR	RE	SP	A	F
1	78.95%	93.75%	80.95%	86.49%	85.71%
2	95.65%	95.65%	92.86%	94.59%	95.65%
3	66.67%	100.00%	72.00%	82.05%	80.00%
μ	80.42%	96.47%	81.94%	87.71%	87.12%
σ	14.55%	3.20%	10.46%	6.36%	7.92%

Table XI
 $\alpha = 4.25$

	TPR	FPR	TNR	FNR
1	35.00%	17.50%	47.50%	0.00%
2	35.85%	5.66%	56.60%	1.89%
3	37.14%	8.57%	48.57%	5.71%
μ	36.00%	10.58%	50.89%	2.53%
σ	1.08%	6.17%	4.98%	2.91%

	PR	RE	SP	A	F
1	66.67%	100.00%	73.08%	82.50%	80.00%
2	86.36%	95.00%	90.91%	92.45%	90.48%
3	81.25%	86.67%	85.00%	85.71%	83.87%
μ	78.09%	93.89%	83.00%	86.89%	84.78%
σ	10.22%	6.74%	9.08%	5.08%	5.30%

Table XII
 $\alpha = 4.50$

	TPR	FPR	TNR	FNR
1	33.33%	11.11%	51.85%	3.70%
2	40.48%	11.90%	45.24%	2.38%
3	34.04%	14.89%	46.81%	4.26%
μ	35.95%	12.64%	47.97%	3.45%
σ	3.94%	1.99%	3.46%	0.96%

	PR	RE	SP	A	F
1	75.00%	90.00%	82.35%	85.19%	81.82%
2	77.27%	94.44%	79.17%	85.71%	85.00%
3	69.57%	88.89%	75.86%	80.85%	78.05%
μ	73.95%	91.11%	79.13%	83.92%	81.62%
σ	3.96%	2.94%	3.25%	2.67%	3.48%

Table XIII
 $\alpha = 5.00$

	TPR	FPR	TNR	FNR
1	30.23%	11.63%	53.49%	4.65%
2	45.16%	6.45%	41.94%	6.45%
3	33.33%	27.08%	33.33%	6.25%
μ	36.24%	15.05%	42.92%	5.78%
σ	7.88%	10.73%	10.11%	0.99%

	PR	RE	SP	A	F
1	72.22%	86.67%	82.14%	83.72%	78.79%
2	87.50%	87.50%	86.67%	87.10%	87.50%
3	55.17%	84.21%	55.17%	66.67%	66.67%
μ	71.63%	86.13%	74.66%	79.16%	77.65%
σ	16.17%	1.71%	17.03%	10.95%	10.46%

B. Test Case 2

Table XIV
 $\alpha = 3.00$

	TPR	FPR	TNR	FNR
1	71.43%	0.00%	28.57%	0.00%
2	62.50%	6.25%	25.00%	6.25%
3	61.11%	5.56%	25.00%	8.33%
μ	65.01%	3.94%	26.19%	4.86%
σ	5.60%	3.43%	2.06%	4.34%

	PR	RE	SP	A	F
1	100.00%	100.00%	100.00%	100.00%	100.00%
2	90.91%	90.91%	80.00%	87.50%	90.91%
3	91.67%	88.00%	81.82%	86.11%	89.80%
μ	94.19%	92.97%	87.27%	91.20%	93.57%
σ	5.04%	6.26%	11.06%	7.65%	5.60%

Table XV
 $\alpha = 4.00$

	TPR	FPR	TNR	FNR
1	62.50%	6.25%	25.00%	6.25%
2	72.41%	6.90%	17.24%	3.45%
3	73.33%	0.00%	26.67%	0.00%
μ	69.42%	4.38%	22.97%	3.23%
σ	6.01%	3.81%	5.03%	3.13%

	PR	RE	SP	A	F
1	90.91%	90.91%	80.00%	87.50%	90.91%
2	91.30%	95.45%	71.43%	89.66%	93.33%
3	100.00%	100.00%	100.00%	100.00%	100.00%
μ	94.07%	95.45%	83.81%	92.39%	94.75%
σ	5.14%	4.55%	14.66%	6.68%	4.71%

Table XVIII
 $\alpha = 5.00$

	TPR	FPR	TNR	FNR
1	67.74%	0.00%	29.03%	3.23%
2	65.71%	2.86%	28.57%	2.86%
3	58.97%	5.13%	33.33%	2.56%
μ	64.14%	2.66%	30.31%	2.88%
σ	4.59%	2.57%	2.63%	0.33%

	PR	RE	SP	A	F
1	100.00%	95.45%	100.00%	96.77%	97.67%
2	95.83%	95.83%	90.91%	94.29%	95.83%
3	92.00%	95.83%	86.67%	92.31%	93.88%
μ	95.94%	95.71%	92.53%	94.46%	95.80%
σ	4.00%	0.22%	6.81%	2.24%	1.90%

C. Test Case 3

Table XVI
 $\alpha = 4.25$

	TPR	FPR	TNR	FNR
1	70.97%	0.00%	22.58%	6.45%
2	70.00%	0.00%	30.00%	0.00%
3	65.52%	0.00%	34.48%	0.00%
μ	68.83%	0.00%	29.02%	2.15%
σ	2.91%	0.00%	6.01%	3.72%

	PR	RE	SP	A	F
1	100.00%	91.67%	100.00%	93.55%	95.65%
2	100.00%	100.00%	100.00%	100.00%	100.00%
3	100.00%	100.00%	100.00%	100.00%	100.00%
μ	100.00%	97.22%	100.00%	97.85%	98.55%
σ	0.00%	4.81%	0.00%	3.72%	2.51%

Table XIX
 $\alpha = 3.00$

	TPR	FPR	TNR	FNR
1	48.53%	10.29%	29.41%	11.76%
2	28.36%	14.93%	44.78%	11.94%
3	43.42%	18.42%	27.63%	10.53%
μ	40.10%	14.55%	33.94%	11.41%
σ	10.49%	4.08%	9.43%	0.77%

	PR	RE	SP	A	F
1	82.50%	80.49%	74.07%	77.94%	81.48%
2	65.52%	70.37%	75.00%	73.13%	67.86%
3	70.21%	80.49%	60.00%	71.05%	75.00%
μ	72.74%	77.12%	69.69%	74.04%	74.78%
σ	8.77%	5.84%	8.41%	3.53%	6.81%

Table XVII
 $\alpha = 4.50$

	TPR	FPR	TNR	FNR
1	67.74%	0.00%	29.03%	3.23%
2	60.00%	2.86%	28.57%	8.57%
3	84.00%	0.00%	16.00%	0.00%
μ	70.58%	0.95%	24.53%	3.93%
σ	12.25%	1.65%	7.39%	4.33%

	PR	RE	SP	A	F
1	100.00%	95.45%	100.00%	96.77%	97.67%
2	95.45%	87.50%	90.91%	88.57%	91.30%
3	100.00%	100.00%	100.00%	100.00%	100.00%
μ	98.48%	94.32%	96.97%	95.12%	96.33%
σ	2.62%	6.33%	5.25%	5.89%	4.50%

Table XX
 $\alpha = 4.00$

	TPR	FPR	TNR	FNR
1	41.03%	10.26%	33.33%	15.38%
2	36.05%	18.60%	26.74%	18.60%
3	38.36%	17.81%	21.92%	21.92%
μ	38.48%	15.56%	27.33%	18.64%
σ	2.49%	4.61%	5.73%	3.27%

	PR	RE	SP	A	F
1	80.00%	72.73%	76.47%	74.36%	76.19%
2	65.96%	65.96%	58.97%	62.79%	65.96%
3	68.29%	63.64%	55.17%	60.27%	65.88%
μ	71.42%	67.44%	63.54%	65.81%	69.34%
σ	7.52%	4.72%	11.36%	7.51%	5.93%

Table XXI
 $\alpha = 4.25$

	TPR	FPR	TNR	FNR
1	41.77%	8.86%	32.91%	16.46%
2	48.72%	5.13%	34.62%	11.54%
3	42.11%	14.47%	28.95%	14.47%
μ	44.20%	9.49%	32.16%	14.16%
σ	3.92%	4.70%	2.91%	2.47%

	PR	RE	SP	A	F
1	82.50%	71.74%	78.79%	74.68%	76.74%
2	90.48%	80.85%	87.10%	83.33%	85.39%
3	74.42%	74.42%	66.67%	71.05%	74.42%
μ	82.46%	75.67%	77.52%	76.36%	78.85%
σ	8.03%	4.68%	10.27%	6.31%	5.78%

Table XXII
 $\alpha = 4.50$

	TPR	FPR	TNR	FNR
1	40.35%	17.54%	17.54%	24.56%
2	50.00%	11.43%	22.86%	15.71%
3	41.67%	13.33%	28.33%	16.67%
μ	44.01%	14.10%	22.91%	18.98%
σ	5.23%	3.13%	5.39%	4.86%

	PR	RE	SP	A	F
1	69.70%	62.16%	50.00%	57.89%	65.71%
2	81.40%	76.09%	66.67%	72.86%	78.65%
3	75.76%	71.43%	68.00%	70.00%	73.53%
μ	75.62%	69.89%	61.56%	66.92%	72.63%
σ	5.85%	7.09%	10.03%	7.94%	6.52%

Table XXIII
 $\alpha = 5.00$

	TPR	FPR	TNR	FNR
1	43.68%	13.79%	28.74%	13.79%
2	41.33%	14.67%	33.33%	10.67%
3	55.36%	8.93%	17.86%	17.86%
μ	46.79%	12.46%	26.64%	14.11%
σ	7.51%	3.09%	7.95%	3.61%

	PR	RE	SP	A	F
1	76.00%	76.00%	67.57%	72.41%	76.00%
2	73.81%	79.49%	69.44%	74.67%	76.54%
3	86.11%	75.61%	66.67%	73.21%	80.52%
μ	78.64%	77.03%	67.89%	73.43%	77.69%
σ	6.56%	2.13%	1.42%	1.14%	2.47%

D. Test Case 4

Table XXIV
 $\alpha = 3.00$

	TPR	FPR	TNR	FNR
1	52.94%	5.88%	5.88%	35.29%
2	40.91%	22.73%	18.18%	18.18%
3	60.00%	4.00%	12.00%	24.00%
μ	51.28%	10.87%	12.02%	25.83%
σ	9.65%	10.31%	6.15%	8.70%

	PR	RE	SP	A	F
1	90.00%	60.00%	50.00%	58.82%	72.00%
2	64.29%	69.23%	44.44%	59.09%	66.67%
3	93.75%	71.43%	75.00%	72.00%	81.08%
μ	82.68%	66.89%	56.48%	63.30%	73.25%
σ	16.04%	6.06%	16.28%	7.53%	7.29%

Table XXV
 $\alpha = 4.00$

	TPR	FPR	TNR	FNR
1	56.00%	0.00%	12.00%	32.00%
2	55.56%	7.41%	11.11%	25.93%
3	47.06%	5.88%	5.88%	41.18%
μ	52.87%	4.43%	9.66%	33.03%
σ	5.04%	3.91%	3.31%	7.68%

	PR	RE	SP	A	F
1	100.00%	63.64%	100.00%	68.00%	77.78%
2	88.24%	68.18%	60.00%	66.67%	76.92%
3	88.89%	53.33%	50.00%	52.94%	66.67%
μ	92.37%	61.72%	70.00%	62.54%	73.79%
σ	6.61%	7.61%	26.46%	8.34%	6.18%

Table XXVI
 $\alpha = 4.25$

	TPR	FPR	TNR	FNR
1	75.00%	12.50%	12.50%	0.00%
2	48.00%	8.00%	12.00%	32.00%
3	70.00%	10.00%	10.00%	10.00%
μ	64.33%	10.17%	11.50%	14.00%
σ	14.36%	2.25%	1.32%	16.37%

	PR	RE	SP	A	F
1	85.71%	100.00%	50.00%	87.50%	92.31%
2	85.71%	60.00%	60.00%	60.00%	70.59%
3	87.50%	87.50%	50.00%	80.00%	87.50%
μ	86.31%	82.50%	53.33%	75.83%	83.47%
σ	1.03%	20.46%	5.77%	14.22%	11.41%

Table XXVII
 $\alpha = 4.50$

	TPR	FPR	TNR	FNR
1	50.00%	16.67%	0.00%	33.33%
2	63.16%	5.26%	5.26%	26.32%
3	53.85%	7.69%	7.69%	30.77%
μ	55.67%	9.87%	4.32%	30.14%
σ	6.77%	6.01%	3.93%	3.55%

	PR	RE	SP	A	F
1	75.00%	60.00%	0.00%	50.00%	66.67%
2	92.31%	70.59%	50.00%	68.42%	80.00%
3	87.50%	63.64%	50.00%	61.54%	73.68%
μ	84.94%	64.74%	33.33%	59.99%	73.45%
σ	8.93%	5.38%	28.87%	9.31%	6.67%

Table XXVIII
 $\alpha = 5.00$

	TPR	FPR	TNR	FNR
1	37.04%	18.52%	11.11%	33.33%
2	58.33%	16.67%	0.00%	25.00%
3	71.43%	7.14%	7.14%	14.29%
μ	55.60%	14.11%	6.08%	24.21%
σ	17.36%	6.10%	5.63%	9.55%

	PR	RE	SP	A	F
1	66.67%	52.63%	37.50%	48.15%	58.82%
2	77.78%	70.00%	0.00%	58.33%	73.68%
3	90.91%	83.33%	50.00%	78.57%	86.96%
μ	78.45%	68.65%	29.17%	61.68%	73.15%
σ	12.14%	15.40%	26.02%	15.49%	14.07%

E. Test Case 5

Table XXIX
 $\alpha = 3.00$

	TPR	FPR	TNR	FNR
1	29.79%	13.83%	51.06%	5.32%
2	41.75%	1.94%	56.31%	0.00%
3	18.07%	39.76%	38.55%	3.61%
μ	29.87%	18.51%	48.64%	2.98%
σ	11.84%	19.34%	9.12%	2.72%

	PR	RE	SP	A	F
1	68.29%	84.85%	78.69%	80.85%	75.68%
2	95.56%	100.00%	96.67%	98.06%	97.73%
3	31.25%	83.33%	49.23%	56.63%	45.45%
μ	65.03%	89.39%	74.86%	78.51%	72.95%
σ	32.28%	9.22%	23.95%	20.81%	26.24%

Table XXX
 $\alpha = 4.00$

	TPR	FPR	TNR	FNR
1	39.62%	18.87%	41.51%	0.00%
2	20.90%	37.31%	35.82%	5.97%
3	31.43%	42.86%	25.71%	0.00%
μ	30.65%	33.01%	34.35%	1.99%
σ	9.39%	12.56%	8.00%	3.45%

	PR	RE	SP	A	F
1	67.74%	100.00%	68.75%	81.13%	80.77%
2	35.90%	77.78%	48.98%	56.72%	49.12%
3	42.31%	100.00%	37.50%	57.14%	59.46%
μ	48.65%	92.59%	51.74%	65.00%	63.12%
σ	16.84%	12.83%	15.81%	13.97%	16.14%

Table XXXI
 $\alpha = 4.25$

	TPR	FPR	TNR	FNR
1	27.03%	22.97%	50.00%	0.00%
2	43.48%	23.91%	32.61%	0.00%
3	52.27%	15.91%	31.82%	0.00%
μ	40.93%	20.93%	38.14%	0.00%
σ	12.81%	4.38%	10.28%	0.00%

	PR	RE	SP	A	F
1	54.05%	100.00%	68.52%	77.03%	70.18%
2	64.52%	100.00%	57.69%	76.09%	78.43%
3	76.67%	100.00%	66.67%	84.09%	86.79%
μ	65.08%	100.00%	64.29%	79.07%	78.47%
σ	11.32%	0.00%	5.79%	4.38%	8.31%

Table XXXII
 $\alpha = 4.50$

	TPR	FPR	TNR	FNR
1	39.29%	32.14%	28.57%	0.00%
2	19.05%	19.05%	50.00%	11.90%
3	28.26%	26.09%	43.48%	2.17%
μ	28.86%	25.76%	40.68%	4.69%
σ	10.13%	6.55%	10.98%	6.34%

	PR	RE	SP	A	F
1	55.00%	100.00%	47.06%	67.86%	70.97%
2	50.00%	61.54%	72.41%	69.05%	55.17%
3	52.00%	92.86%	62.50%	71.74%	66.67%
μ	52.33%	84.80%	60.66%	69.55%	64.27%
σ	2.52%	20.46%	12.78%	1.99%	8.17%

Table XXXIII
 $\alpha = 5.00$

	TPR	FPR	TNR	FNR
1	50.82%	9.84%	39.34%	0.00%
2	43.59%	20.51%	33.33%	2.56%
3	60.00%	10.00%	30.00%	0.00%
μ	51.47%	13.45%	34.23%	0.85%
σ	8.22%	6.12%	4.74%	1.48%

	PR	RE	SP	A	F
1	83.78%	100.00%	80.00%	90.16%	91.18%
2	68.00%	94.44%	61.90%	76.92%	79.07%
3	85.71%	100.00%	75.00%	90.00%	92.31%
μ	79.17%	98.15%	72.30%	85.70%	87.52%
σ	9.72%	3.21%	9.34%	7.60%	7.34%