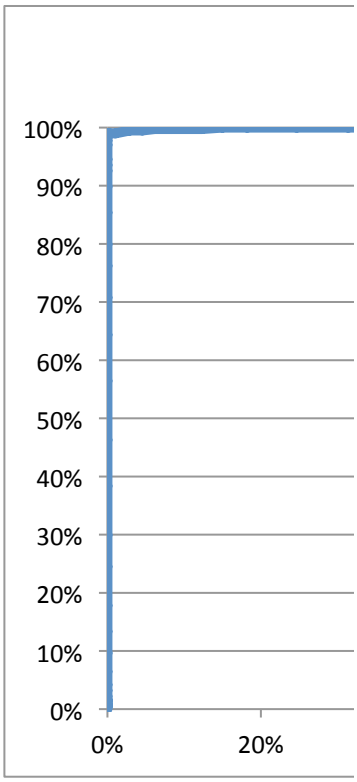
A vs B 74 epochs

ROC data	Threshold	TPR	FPR
	-4.86	100%	100%
	-4.68	100%	98.93%
	-4.5	100%	98.93%
	-4.32	100%	98.93%
	-4.14	100%	97.59%
	-3.96	100%	96.51%
	-3.78	100%	95.98%
	-3.6	100%	92.76%
	-3.42	100%	90.08%
	-3.24	100%	87.40%
	-3.06	100%	83.65%
	-2.88	100%	76.41%
	-2.7	100%	67.02%
	-2.52	100%	59.25%
	-2.34	100%	52.01%
	-2.16	100%	46.92%
	-1.98	100%	39.14%
	-1.8	100%	31.37%
	-1.62	100%	24.66%
	-1.44	100%	18.23%
	-1.26	100%	15.01%
	-1.08	99.75%	12.33%
	-0.9	99.75%	8.31%
	-0.72	99.75%	6.17%
	-0.54	99.50%	4.56%
	-0.36	99.50%	2.95%
	-0.18	99.01%	1.07%
	0	99.01%	0.27%
	-0.18	99.01%	0%
	-0.36	98.76%	0%
	-0.54	98.51%	0%
	-0.72	97.77%	0%
	-0.9	97.03%	0%
	-1.08	94.55%	0%
	-1.26	93.56%	0%
	-1.44	92.57%	0%
	-1.62	89.85%	0%
	-1.8	85.40%	0%
	-1.98	79.95%	0%
	-2.16	76.24%	0%

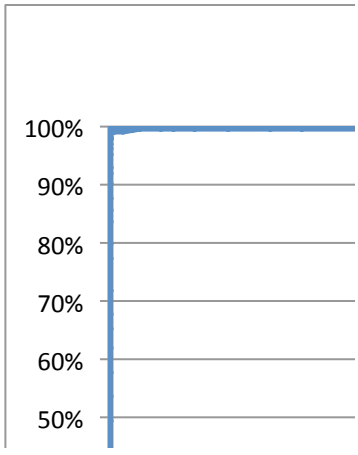


-2.34	70.79%	0%
-2.52	64.36%	0%
-2.7	56.44%	0%
-2.88	46.29%	0%
-3.06	38.37%	0%
-3.24	29.95%	0%
-3.42	24.50%	0%
-3.6	17.82%	0%
-3.78	13.37%	0%
-3.96	9.65%	0%
-4.14	6.44%	0%
-4.32	4.21%	0%
-4.5	3.22%	0%
-4.68	2.23%	0%
-4.86	1.73%	0%
-5.04	1.49%	0%
-5.22	1.49%	0%
-5.4	1.24%	0%
-5.58	0.99%	0%
-5.76	0.74%	0%
-5.94	0.50%	0%
-6.12	0.50%	0%
-6.3	0.25%	0%
-6.48	0.25%	0%
-6.66	0%	0%

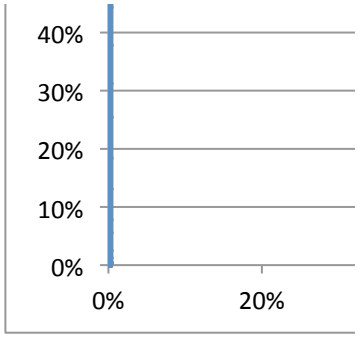
A vs C 500 epochs

ROC data

-12.16	100%	100%
-11.84	100%	99.73%
-11.52	100%	99.45%
-11.2	100%	99.45%
-10.88	100%	99.45%
-10.56	100%	98.36%
-10.24	100%	97.26%
-9.92	100%	96.16%
-9.6	100%	93.97%
-9.28	100%	90.96%
-8.96	100%	87.67%
-8.64	100%	87.12%
-8.32	100%	83.84%



-8	100%	81.10%
-7.68	100%	78.90%
-7.36	100%	73.97%
-7.04	100%	69.59%
-6.72	100%	64.38%
-6.4	100%	58.63%
-6.08	100%	54.25%
-5.76	100%	46.58%
-5.44	100%	38.90%
-5.12	100%	33.42%
-4.8	100%	25.21%
-4.48	100%	21.10%
-4.16	100%	15.62%
-3.84	100%	11.23%
-3.52	100%	8.49%
-3.2	100%	6.85%
-2.88	100%	4.11%
-2.56	99.75%	3.01%
-2.24	99.50%	1.92%
-1.92	99.50%	0.82%
-1.6	99.50%	0.27%
-1.28	99.24%	0.27%
-0.96	98.99%	0%
-0.64	98.24%	0%
-0.32	97.98%	0%
0	97.73%	0%
-0.32	96.98%	0%
-0.64	96.22%	0%
-0.96	95.21%	0%
-1.28	92.95%	0%
-1.6	91.94%	0%
-1.92	90.18%	0%
-2.24	87.66%	0%
-2.56	85.64%	0%
-2.88	83.63%	0%
-3.2	79.85%	0%
-3.52	77.33%	0%
-3.84	71.79%	0%
-4.16	67.76%	0%
-4.48	65.24%	0%
-4.8	61.96%	0%
-5.12	57.68%	0%
-5.44	53.65%	0%

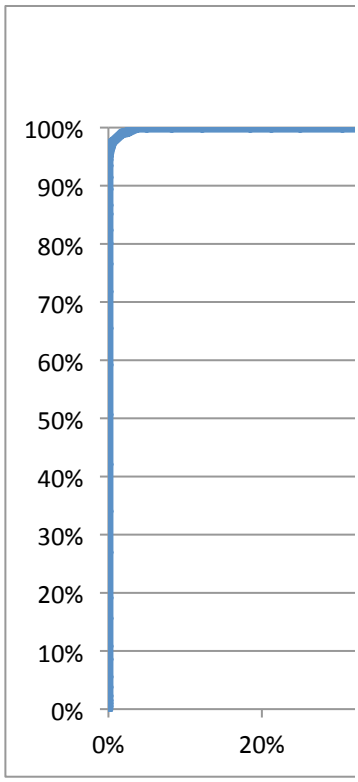


-5.76	49.37%	0%
-6.08	44.33%	0%
-6.4	37.78%	0%
-6.72	31.23%	0%
-7.04	25.44%	0%
-7.36	18.39%	0%
-7.68	13.10%	0%
-8	7.81%	0%
-8.32	5.54%	0%
-8.64	2.52%	0%
-8.96	1.26%	0%
-9.28	0.50%	0%
-9.6	0.25%	0%
-9.92	0.25%	0%
-10.24	0.25%	0%
-10.56	0%	0%

A vs D 200 epochs

ROC data

-9.28	100%	100%
-8.96	100%	99.25%
-8.64	100%	99%
-8.32	100%	98.75%
-8	100%	97%
-7.68	100%	95%
-7.36	100%	92.75%
-7.04	100%	90.75%
-6.72	100%	88%
-6.4	100%	86%
-6.08	100%	84.75%
-5.76	100%	82.25%
-5.44	100%	77.25%
-5.12	100%	73%
-4.8	100%	65.25%
-4.48	100%	59.75%
-4.16	100%	54.50%
-3.84	100%	49.25%
-3.52	100%	41.25%
-3.2	100%	34.50%
-2.88	100%	30.50%
-2.56	100%	25%

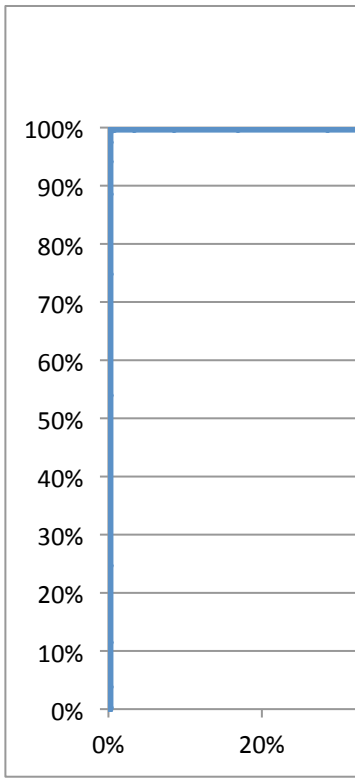


-2.24	100%	21.25%
-1.92	100%	18.50%
-1.6	100%	12.25%
-1.28	100%	8.25%
-0.96	100%	5%
-0.64	100%	3.75%
-0.32	99.24%	2.50%
0	98.99%	1.75%
-0.32	97.48%	0.50%
-0.64	96.47%	0.25%
-0.96	94.96%	0%
-1.28	94.46%	0%
-1.6	93.45%	0%
-1.92	91.44%	0%
-2.24	89.42%	0%
-2.56	86.65%	0%
-2.88	85.14%	0%
-3.2	82.37%	0%
-3.52	80.10%	0%
-3.84	76.57%	0%
-4.16	71.79%	0%
-4.48	65.49%	0%
-4.8	59.19%	0%
-5.12	50.63%	0%
-5.44	42.07%	0%
-5.76	34.01%	0%
-6.08	26.95%	0%
-6.4	19.14%	0%
-6.72	15.62%	0%
-7.04	10.83%	0%
-7.36	8.56%	0%
-7.68	5.54%	0%
-8	3.78%	0%
-8.32	2.27%	0%
-8.64	1.51%	0%
-8.96	1.01%	0%
-9.28	0.50%	0%
-9.6	0%	0%

A vs E 19 epochs

ROC data

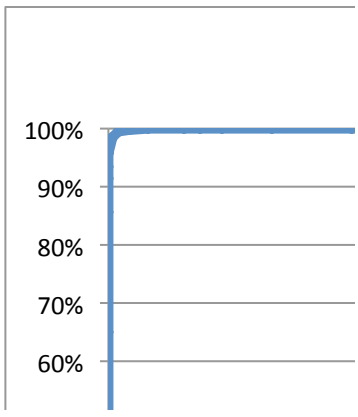
-4.48	100%	100%
-4.16	100%	97.14%
-3.84	100%	89.87%
-3.52	100%	80.78%
-3.2	100%	74.03%
-2.88	100%	72.21%
-2.56	100%	66.23%
-2.24	100%	55.58%
-1.92	100%	42.34%
-1.6	100%	28.57%
-1.28	100%	16.88%
-0.96	100%	8.57%
-0.64	100%	3.38%
-0.32	100%	0.78%
0	100%	0.52%
-0.32	99.49%	0%
-0.64	97.46%	0%
-0.96	94.15%	0%
-1.28	88.55%	0%
-1.6	74.81%	0%
-1.92	53.94%	0%
-2.24	24.68%	0%
-2.56	11.45%	0%
-2.88	3.82%	0%
-3.2	0.25%	0%
-3.52	0%	0%



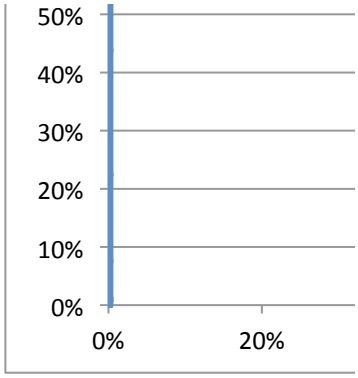
A vs F 33 epochs

ROC data

-4.48	100%	100%
-4.16	100%	98.70%
-3.84	100%	94.55%
-3.52	100%	84.94%
-3.2	100%	75.84%
-2.88	100%	62.08%
-2.56	100%	45.71%
-2.24	100%	31.69%
-1.92	100%	21.30%
-1.6	100%	14.81%
-1.28	100%	11.95%
-0.96	100%	9.87%



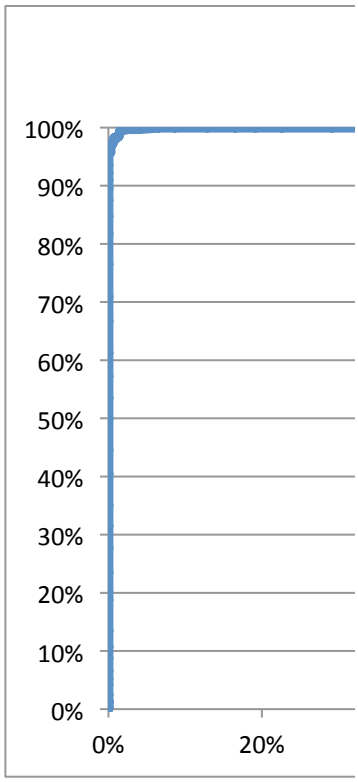
-0.64	100%	5.19%
-0.32	99.75%	2.60%
0	99.50%	1.30%
-0.32	98.49%	0.52%
-0.64	95.72%	0%
-0.96	93.45%	0%
-1.28	91.44%	0%
-1.6	85.64%	0%
-1.92	64.99%	0%
-2.24	43.83%	0%
-2.56	22.42%	0%
-2.88	7.56%	0%
-3.2	1.26%	0%
-3.52	0.76%	0%
-3.84	0%	0%



A vs G 500 epochs

ROC data

-13.44	100%	100%
-13.12	100%	99.74%
-12.8	100%	99.74%
-12.48	100%	99.74%
-12.16	100%	99.74%
-11.84	100%	99.74%
-11.52	100%	99.48%
-11.2	100%	98.95%
-10.88	100%	98.69%
-10.56	100%	98.69%
-10.24	100%	98.16%
-9.92	100%	98.16%
-9.6	100%	97.64%
-9.28	100%	96.33%
-8.96	100%	94.75%
-8.64	100%	92.13%
-8.32	100%	89.24%
-8	100%	86.88%
-7.68	100%	86.61%
-7.36	100%	83.99%
-7.04	100%	79.79%
-6.72	100%	75.85%
-6.4	100%	74.02%



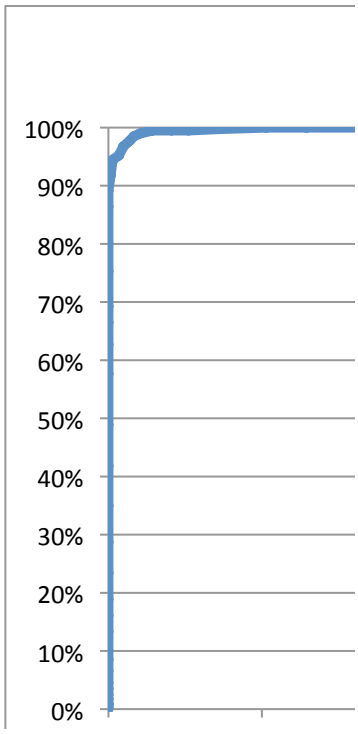
-6.08	100%	71.92%
-5.76	100%	67.19%
-5.44	100%	61.68%
-5.12	100%	56.17%
-4.8	100%	51.71%
-4.48	100%	47.24%
-4.16	100%	41.21%
-3.84	100%	35.43%
-3.52	100%	29.13%
-3.2	100%	22.57%
-2.88	100%	19.16%
-2.56	100%	16.54%
-2.24	100%	12.86%
-1.92	100%	8.66%
-1.6	100%	6.56%
-1.28	99.75%	3.94%
-0.96	99.75%	2.62%
-0.64	99.50%	1.57%
-0.32	98.50%	1.31%
0	98.25%	1.05%
-0.32	98.25%	0.79%
-0.64	97.25%	0.52%
-0.96	96.75%	0.26%
-1.28	96.50%	0.26%
-1.6	95.75%	0.26%
-1.92	95.75%	0%
-2.24	95.25%	0%
-2.56	93.50%	0%
-2.88	92.25%	0%
-3.2	91%	0%
-3.52	89.50%	0%
-3.84	87.50%	0%
-4.16	84.75%	0%
-4.48	81.75%	0%
-4.8	76.50%	0%
-5.12	71%	0%
-5.44	66.75%	0%
-5.76	61.25%	0%
-6.08	57.25%	0%
-6.4	53.50%	0%
-6.72	50%	0%
-7.04	44.50%	0%
-7.36	40.50%	0%

-7.68	35%	0%
-8	31.50%	0%
-8.32	27.75%	0%
-8.64	23.50%	0%
-8.96	18.75%	0%
-9.28	13.50%	0%
-9.6	10.75%	0%
-9.92	8.75%	0%
-10.24	6.50%	0%
-10.56	5.25%	0%
-10.88	4.25%	0%
-11.2	2.50%	0%
-11.52	1.50%	0%
-11.84	1.25%	0%
-12.16	1%	0%
-12.48	0.50%	0%
-12.8	0.25%	0%
-13.12	0%	0%

A vs H 500 epochs

ROC data

-10.88	100%	100%
-10.56	100%	99.73%
-10.24	100%	99.73%
-9.92	100%	99.73%
-9.6	100%	99.73%
-9.28	100%	99.73%
-8.96	100%	99.73%
-8.64	100%	99.73%
-8.32	100%	99.73%
-8	100%	99.45%
-7.68	100%	99.45%
-7.36	100%	99.45%
-7.04	100%	99.18%
-6.72	100%	98.90%
-6.4	100%	98.90%
-6.08	100%	98.63%
-5.76	100%	98.35%
-5.44	100%	97.80%
-5.12	100%	96.70%
-4.8	100%	96.15%



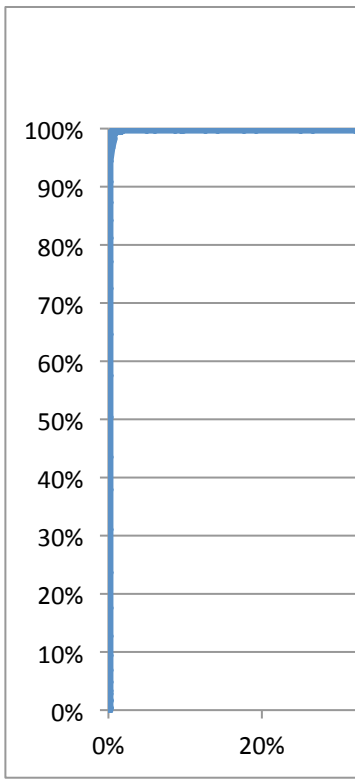
-4.48	100%	93.13%
-4.16	100%	89.29%
-3.84	100%	84.62%
-3.52	100%	77.47%
-3.2	100%	68.96%
-2.88	100%	60.16%
-2.56	100%	50.55%
-2.24	100%	43.13%
-1.92	100%	34.34%
-1.6	100%	25.82%
-1.28	100%	20.60%
-0.96	99.75%	14.56%
-0.64	99.50%	10.44%
-0.32	99.50%	8.24%
0	99.50%	5.77%
-0.32	98.99%	4.12%
-0.64	98.49%	3.30%
-0.96	97.73%	2.75%
-1.28	96.73%	1.92%
-1.6	95.21%	1.37%
-1.92	94.46%	0.55%
-2.24	91.69%	0.27%
-2.56	89.17%	0%
-2.88	86.40%	0%
-3.2	80.10%	0%
-3.52	75.31%	0%
-3.84	69.27%	0%
-4.16	66.50%	0%
-4.48	62.72%	0%
-4.8	57.68%	0%
-5.12	48.87%	0%
-5.44	41.81%	0%
-5.76	35.01%	0%
-6.08	28.72%	0%
-6.4	23.43%	0%
-6.72	18.89%	0%
-7.04	16.12%	0%
-7.36	13.35%	0%
-7.68	10.08%	0%
-8	8.56%	0%
-8.32	6.55%	0%
-8.64	4.53%	0%
-8.96	3.53%	0%

-9.28	2.52%	0%
-9.6	1.76%	0%
-9.92	1.01%	0%
-10.24	0.76%	0%
-10.56	0.25%	0%
-10.88	0.25%	0%
-11.2	0.25%	0%
-11.52	0.25%	0%
-11.84	0%	0%

A vs I 500 epochs

ROC data

-12.16	100%	100%
-11.84	100%	99.74%
-11.52	100%	99.47%
-11.2	100%	98.94%
-10.88	100%	97.63%
-10.56	100%	97.63%
-10.24	100%	96.83%
-9.92	100%	95.51%
-9.6	100%	94.20%
-9.28	100%	93.40%
-8.96	100%	92.88%
-8.64	100%	89.97%
-8.32	100%	86.54%
-8	100%	80.74%
-7.68	100%	75.73%
-7.36	100%	70.18%
-7.04	100%	65.96%
-6.72	100%	59.63%
-6.4	100%	56.46%
-6.08	100%	49.08%
-5.76	100%	44.06%
-5.44	100%	35.36%
-5.12	100%	32.19%
-4.8	100%	26.65%
-4.48	100%	25.07%
-4.16	100%	19.26%
-3.84	100%	17.68%
-3.52	100%	14.25%
-3.2	100%	12.66%

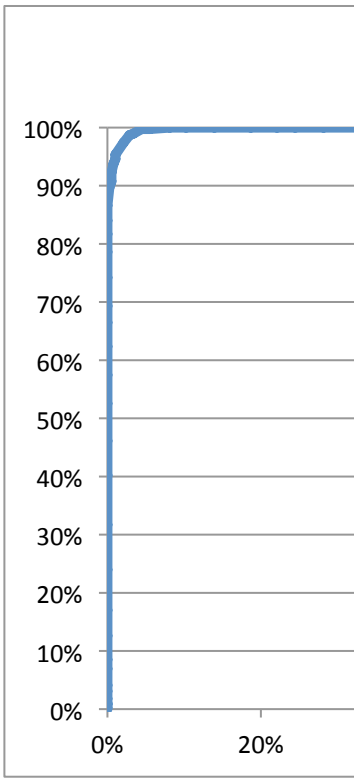


-2.88	100%	9.76%
-2.56	100%	9.50%
-2.24	100%	8.71%
-1.92	100%	6.07%
-1.6	100%	5.01%
-1.28	100%	1.58%
-0.96	99.75%	1.58%
-0.64	99.75%	1.06%
-0.32	99.49%	0.79%
0	99.49%	0.79%
-0.32	99.24%	0.53%
-0.64	98.22%	0.53%
-0.96	96.69%	0.26%
-1.28	94.40%	0%
-1.6	90.84%	0%
-1.92	87.28%	0%
-2.24	84.22%	0%
-2.56	81.17%	0%
-2.88	77.10%	0%
-3.2	72.52%	0%
-3.52	64.63%	0%
-3.84	57.51%	0%
-4.16	50.38%	0%
-4.48	43.51%	0%
-4.8	37.91%	0%
-5.12	31.04%	0%
-5.44	23.66%	0%
-5.76	17.56%	0%
-6.08	12.72%	0%
-6.4	9.41%	0%
-6.72	6.87%	0%
-7.04	4.83%	0%
-7.36	3.31%	0%
-7.68	2.80%	0%
-8	1.78%	0%
-8.32	1.53%	0%
-8.64	0.51%	0%
-8.96	0.25%	0%
-9.28	0.25%	0%
-9.6	0.25%	0%
-9.92	0%	0%

A vs J 500 epochs

ROC data

-21.12	100%	100%
-20.64	100%	99.74%
-20.16	100%	99.74%
-19.68	100%	99.21%
-19.2	100%	98.95%
-18.72	100%	98.42%
-18.24	100%	98.16%
-17.76	100%	97.89%
-17.28	100%	96.58%
-16.8	100%	96.05%
-16.32	100%	94.47%
-15.84	100%	93.16%
-15.36	100%	92.63%
-14.88	100%	91.32%
-14.4	100%	88.16%
-13.92	100%	85.53%
-13.44	100%	83.95%
-12.96	100%	81.32%
-12.48	100%	76.84%
-12	100%	71.58%
-11.52	100%	70%
-11.04	100%	67.37%
-10.56	100%	63.16%
-10.08	100%	59.21%
-9.6	100%	55.79%
-9.12	100%	53.16%
-8.64	100%	50.79%
-8.16	100%	48.68%
-7.68	100%	46.58%
-7.2	100%	45.53%
-6.72	100%	42.63%
-6.24	100%	39.74%
-5.76	100%	38.42%
-5.28	100%	36.58%
-4.8	100%	33.68%
-4.32	100%	28.16%
-3.84	100%	24.47%
-3.36	100%	22.11%
-2.88	100%	18.68%
-2.4	100%	13.95%

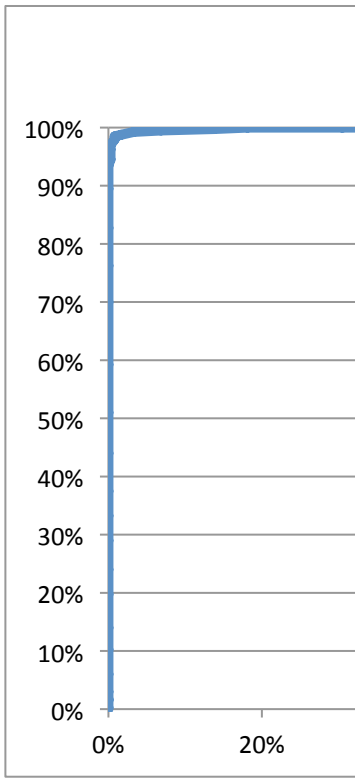


-1.92	100%	10.26%
-1.44	100%	8.16%
-0.96	99.74%	5.53%
-0.48	99.74%	4.47%
0	98.97%	3.42%
-0.48	98.71%	2.89%
-0.96	97.42%	2.11%
-1.44	95.36%	1.05%
-1.92	94.59%	1.05%
-2.4	93.81%	0.79%
-2.88	92.27%	0.53%
-3.36	90.72%	0.53%
-3.84	89.69%	0.26%
-4.32	86.60%	0%
-4.8	84.02%	0%
-5.28	81.70%	0%
-5.76	78.61%	0%
-6.24	74.23%	0%
-6.72	69.33%	0%
-7.2	66.49%	0%
-7.68	62.37%	0%
-8.16	57.47%	0%
-8.64	52.58%	0%
-9.12	46.13%	0%
-9.6	40.21%	0%
-10.08	31.70%	0%
-10.56	23.97%	0%
-11.04	17.01%	0%
-11.52	12.63%	0%
-12	8.51%	0%
-12.48	6.96%	0%
-12.96	4.12%	0%
-13.44	3.09%	0%
-13.92	1.80%	0%
-14.4	1.03%	0%
-14.88	0.77%	0%
-15.36	0.26%	0%
-15.84	0%	0%

A vs K 500 epochs

ROC data

-9.6	100%	100%
-9.12	100%	99.45%
-8.64	100%	99.18%
-8.16	100%	98.35%
-7.68	100%	97.53%
-7.2	100%	95.88%
-6.72	100%	92.31%
-6.24	100%	89.29%
-5.76	100%	84.62%
-5.28	100%	80.49%
-4.8	100%	75.27%
-4.32	100%	70.60%
-3.84	100%	65.93%
-3.36	100%	59.89%
-2.88	100%	53.30%
-2.4	100%	41.76%
-1.92	100%	30.49%
-1.44	100%	18.13%
-0.96	99.75%	13.74%
-0.48	99.50%	6.87%
0	99.25%	3.30%
-0.48	98.75%	1.65%
-0.96	98.50%	0.82%
-1.44	98%	0.82%
-1.92	97%	0.27%
-2.4	96.25%	0.27%
-2.88	94.50%	0.27%
-3.36	93.50%	0%
-3.84	89.50%	0%
-4.32	82.75%	0%
-4.8	76.25%	0%
-5.28	70%	0%
-5.76	59.25%	0%
-6.24	51%	0%
-6.72	44%	0%
-7.2	37.50%	0%
-7.68	33.25%	0%
-8.16	29%	0%
-8.64	24%	0%
-9.12	19.75%	0%
-9.6	14%	0%
-10.08	10.25%	0%
-10.56	6%	0%

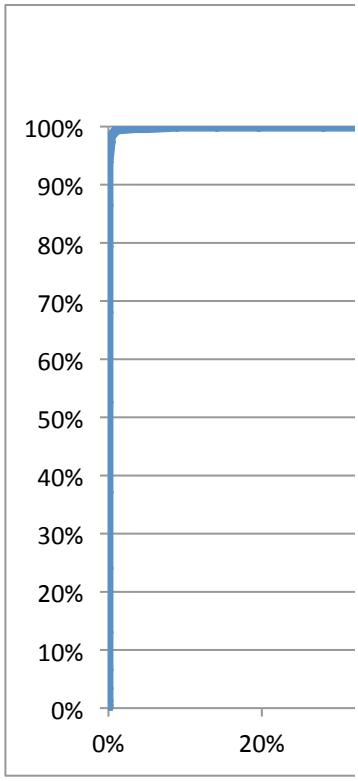


-11.04	3%	0%
-11.52	1.75%	0%
-12	1.50%	0%
-12.48	0.25%	0%
-12.96	0.25%	0%
-13.44	0.25%	0%
-13.92	0.25%	0%
-14.4	0%	0%

A vs L 197 epochs

ROC data

-9.6	100%	100%
-9.12	100%	98.91%
-8.64	100%	97.28%
-8.16	100%	94.84%
-7.68	100%	90.22%
-7.2	100%	85.60%
-6.72	100%	82.34%
-6.24	100%	75.82%
-5.76	100%	70.65%
-5.28	100%	64.67%
-4.8	100%	57.34%
-4.32	100%	45.38%
-3.84	100%	36.68%
-3.36	100%	27.99%
-2.88	100%	19.57%
-2.4	100%	14.13%
-1.92	100%	8.97%
-1.44	99.75%	5.16%
-0.96	99.75%	3.53%
-0.48	99.51%	1.09%
0	98.28%	0.27%
-0.48	97.30%	0.27%
-0.96	93.86%	0%
-1.44	86.49%	0%
-1.92	79.36%	0%
-2.4	68.06%	0%
-2.88	52.58%	0%
-3.36	37.10%	0%
-3.84	24.08%	0%
-4.32	13.02%	0%

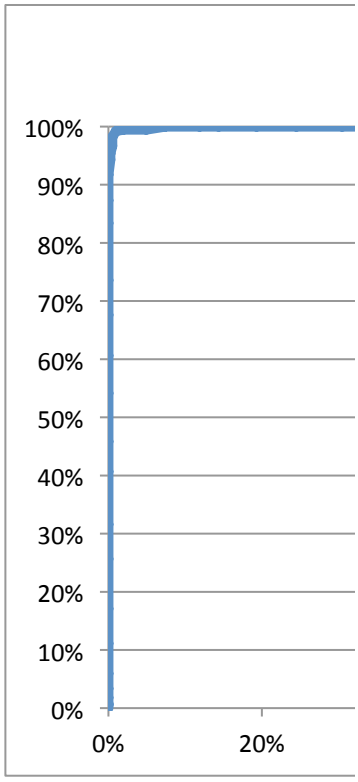


-4.8	6.63%	0%
-5.28	3.44%	0%
-5.76	1.23%	0%
-6.24	0.49%	0%
-6.72	0%	0%

A vs M 500 epochs

ROC data

-15.36	100%	100%
-14.88	100%	99.75%
-14.4	100%	99.26%
-13.92	100%	97.52%
-13.44	100%	95.05%
-12.96	100%	93.32%
-12.48	100%	90.10%
-12	100%	87.87%
-11.52	100%	83.17%
-11.04	100%	79.70%
-10.56	100%	76.49%
-10.08	100%	72.77%
-9.6	100%	71.29%
-9.12	100%	69.31%
-8.64	100%	67.57%
-8.16	100%	64.85%
-7.68	100%	63.12%
-7.2	100%	60.15%
-6.72	100%	56.93%
-6.24	100%	53.96%
-5.76	100%	49.75%
-5.28	100%	44.06%
-4.8	100%	36.39%
-4.32	100%	30.45%
-3.84	100%	24.50%
-3.36	100%	19.31%
-2.88	100%	14.36%
-2.4	100%	11.88%
-1.92	100%	7.43%
-1.44	99.48%	4.95%
-0.96	99.48%	1.98%
-0.48	99.22%	0.99%
0	98.19%	0.50%

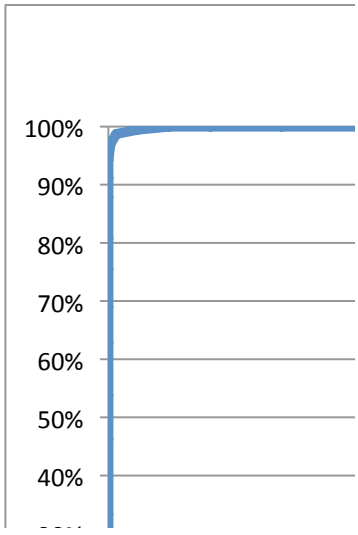


-0.48	96.63%	0.50%
-0.96	95.34%	0.25%
-1.44	94.30%	0.25%
-1.92	91.71%	0%
-2.4	87.31%	0%
-2.88	83.42%	0%
-3.36	73.58%	0%
-3.84	67.62%	0%
-4.32	60.62%	0%
-4.8	54.15%	0%
-5.28	45.85%	0%
-5.76	40.67%	0%
-6.24	31.61%	0%
-6.72	25.65%	0%
-7.2	17.10%	0%
-7.68	11.14%	0%
-8.16	5.96%	0%
-8.64	3.37%	0%
-9.12	1.81%	0%
-9.6	0.78%	0%
-10.08	0.52%	0%
-10.56	0.52%	0%
-11.04	0%	0%

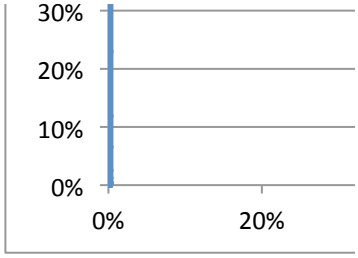
A vs N 116 epochs

ROC data

-8.16	100%	100%
-7.68	100%	99.74%
-7.2	100%	99.74%
-6.72	100%	99.74%
-6.24	100%	98.72%
-5.76	100%	96.92%
-5.28	100%	92.82%
-4.8	100%	83.59%
-4.32	100%	75.64%
-3.84	100%	66.67%
-3.36	100%	52.56%
-2.88	100%	41.03%
-2.4	100%	32.56%
-1.92	100%	22.56%
-1.44	100%	13.33%



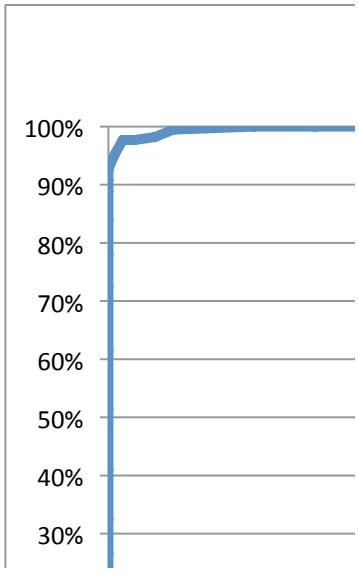
-0.96	100%	7.95%
-0.48	99.49%	3.85%
0	98.74%	1.03%
-0.48	96.97%	0.26%
-0.96	94.19%	0%
-1.44	91.16%	0%
-1.92	87.88%	0%
-2.4	80.81%	0%
-2.88	75.51%	0%
-3.36	68.94%	0%
-3.84	62.88%	0%
-4.32	53.79%	0%
-4.8	46.21%	0%
-5.28	33.33%	0%
-5.76	22.98%	0%
-6.24	11.87%	0%
-6.72	6.57%	0%
-7.2	2.53%	0%
-7.68	1.26%	0%
-8.16	0.51%	0%
-8.64	0.25%	0%
-9.12	0%	0%



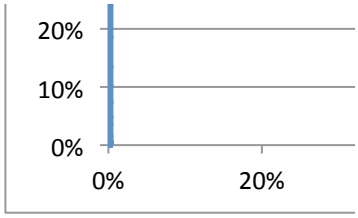
A vs O 500 epochs

ROC data

-12	100%	100%
-11.52	100%	99.74%
-11.04	100%	98.94%
-10.56	100%	98.94%
-10.08	100%	98.42%
-9.6	100%	97.36%
-9.12	100%	96.04%
-8.64	100%	92.61%
-8.16	100%	87.86%
-7.68	100%	82.32%
-7.2	100%	77.57%
-6.72	100%	70.71%
-6.24	100%	62.80%
-5.76	100%	53.30%
-5.28	100%	42.74%
-4.8	100%	34.56%



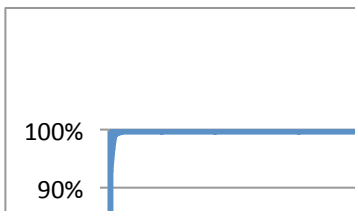
-4.32	100%	26.91%
-3.84	100%	19%
-3.36	99.74%	13.98%
-2.88	99.49%	8.44%
-2.4	98.21%	6.07%
-1.92	97.70%	3.43%
-1.44	97.70%	1.85%
-0.96	95.15%	0.79%
-0.48	94.39%	0.53%
0	92.60%	0%
-0.48	90.82%	0%
-0.96	88.78%	0%
-1.44	83.93%	0%
-1.92	77.81%	0%
-2.4	72.45%	0%
-2.88	61.48%	0%
-3.36	51.53%	0%
-3.84	41.07%	0%
-4.32	32.40%	0%
-4.8	26.53%	0%
-5.28	18.62%	0%
-5.76	13.52%	0%
-6.24	10.20%	0%
-6.72	7.40%	0%
-7.2	4.85%	0%
-7.68	3.57%	0%
-8.16	1.53%	0%
-8.64	0.77%	0%
-9.12	0.51%	0%
-9.6	0.26%	0%
-10.08	0%	0%



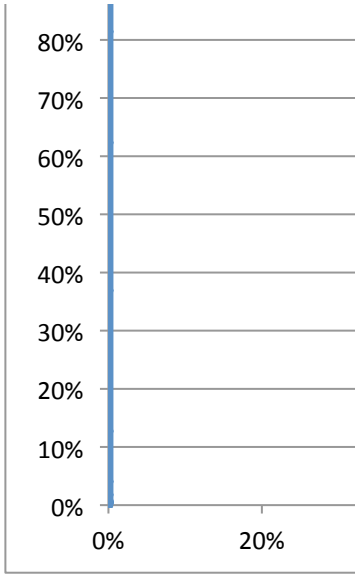
A vs P 41 epochs

ROC data

-5.28	100%	100%
-4.8	100%	97.02%
-4.32	100%	90.57%
-3.84	100%	83.87%
-3.36	100%	72.95%
-2.88	100%	59.06%
-2.4	100%	40.94%



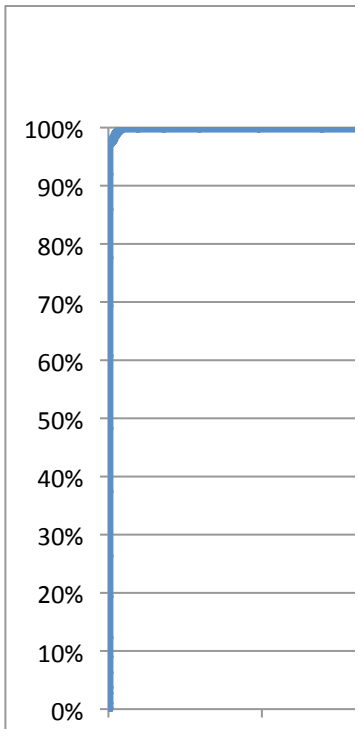
-1.92	100%	24.81%
-1.44	100%	13.90%
-0.96	100%	6.95%
-0.48	100%	1.74%
0	99.49%	0.74%
-0.48	98.98%	0.50%
-0.96	96.69%	0.25%
-1.44	92.88%	0%
-1.92	81.42%	0%
-2.4	62.34%	0%
-2.88	36.90%	0%
-3.36	12.72%	0%
-3.84	4.07%	0%
-4.32	1.78%	0%
-4.8	0.76%	0%
-5.28	0.51%	0%
-5.76	0.25%	0%
-6.24	0%	0%



A vs Q 500 epochs

ROC data

-16.32	100%	100%
-15.84	100%	99.74%
-15.36	100%	99.74%
-14.88	100%	99.74%
-14.4	100%	99.23%
-13.92	100%	99.23%
-13.44	100%	99.23%
-12.96	100%	99.23%
-12.48	100%	99.23%
-12	100%	99.23%
-11.52	100%	98.71%
-11.04	100%	98.20%
-10.56	100%	98.20%
-10.08	100%	97.94%
-9.6	100%	97.16%
-9.12	100%	96.39%
-8.64	100%	94.85%
-8.16	100%	92.78%
-7.68	100%	91.49%
-7.2	100%	89.95%



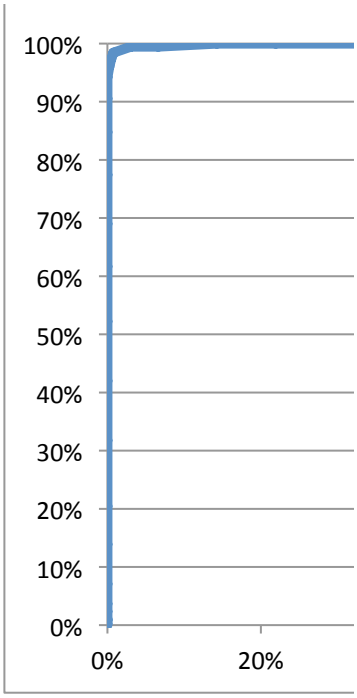
-6.72	100%	86.34%
-6.24	100%	82.22%
-5.76	100%	75.26%
-5.28	100%	69.85%
-4.8	100%	63.66%
-4.32	100%	54.90%
-3.84	100%	44.33%
-3.36	100%	35.82%
-2.88	100%	27.84%
-2.4	100%	19.59%
-1.92	100%	11.86%
-1.44	100%	7.22%
-0.96	100%	3.87%
-0.48	100%	1.80%
0	98.99%	1.03%
-0.48	97.74%	0.52%
-0.96	96.98%	0%
-1.44	91.96%	0%
-1.92	85.93%	0%
-2.4	77.64%	0%
-2.88	69.35%	0%
-3.36	60.80%	0%
-3.84	48.24%	0%
-4.32	37.44%	0%
-4.8	26.38%	0%
-5.28	19.35%	0%
-5.76	12.31%	0%
-6.24	9.05%	0%
-6.72	6.28%	0%
-7.2	3.77%	0%
-7.68	2.76%	0%
-8.16	1.01%	0%
-8.64	0.25%	0%
-9.12	0%	0%

A vs R 269 epochs

ROC data

-8.16	100%	100%
-7.68	100%	99.49%
-7.2	100%	97.70%
-6.72	100%	95.92%

-6.24	100%	92.35%
-5.76	100%	88.78%
-5.28	100%	85.46%
-4.8	100%	79.59%
-4.32	100%	74.74%
-3.84	100%	66.33%
-3.36	100%	56.12%
-2.88	100%	46.43%
-2.4	100%	35.71%
-1.92	100%	21.94%
-1.44	100%	14.29%
-0.96	99.48%	6.63%
-0.48	99.48%	3.06%
0	98.43%	0.77%
-0.48	97.38%	0.51%
-0.96	96.06%	0.26%
-1.44	94.23%	0%
-1.92	90.55%	0%
-2.4	84.78%	0%
-2.88	77.43%	0%
-3.36	69.03%	0%
-3.84	61.68%	0%
-4.32	52.23%	0%
-4.8	41.99%	0%
-5.28	31.76%	0%
-5.76	20.47%	0%
-6.24	13.91%	0%
-6.72	7.09%	0%
-7.2	3.67%	0%
-7.68	2.36%	0%
-8.16	1.05%	0%
-8.64	1.05%	0%
-9.12	0.79%	0%
-9.6	0.79%	0%
-10.08	0.26%	0%
-10.56	0%	0%

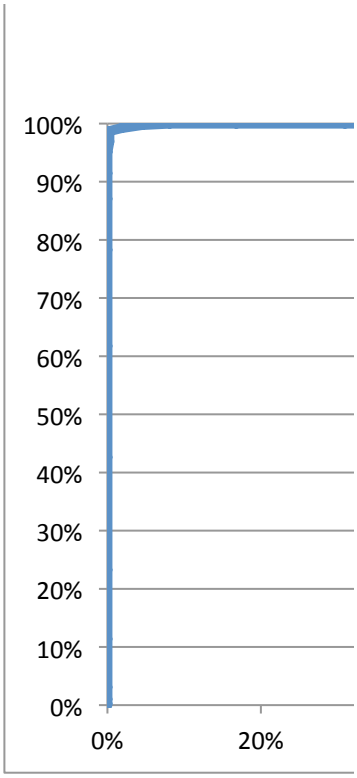


A vs S 157 epochs

ROC data

-6.24	100%	100%
-5.76	100%	99.74%

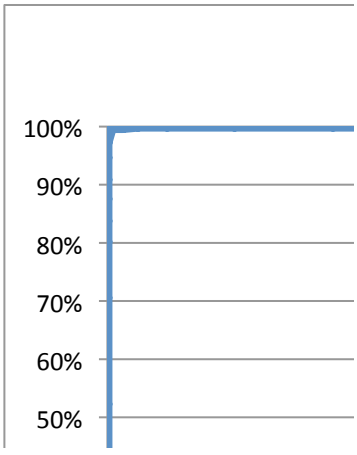
-5.28	100%	99.21%
-4.8	100%	97.38%
-4.32	100%	93.96%
-3.84	100%	81.89%
-3.36	100%	63.78%
-2.88	100%	46.46%
-2.4	100%	30.97%
-1.92	100%	16.80%
-1.44	100%	8.14%
-0.96	99.74%	4.46%
-0.48	99.22%	1.84%
0	98.71%	0.26%
-0.48	96.90%	0.26%
-0.96	95.09%	0%
-1.44	91.47%	0%
-1.92	87.08%	0%
-2.4	78.29%	0%
-2.88	61.76%	0%
-3.36	42.64%	0%
-3.84	23.26%	0%
-4.32	11.37%	0%
-4.8	3.10%	0%
-5.28	1.03%	0%
-5.76	0.26%	0%
-6.24	0%	0%



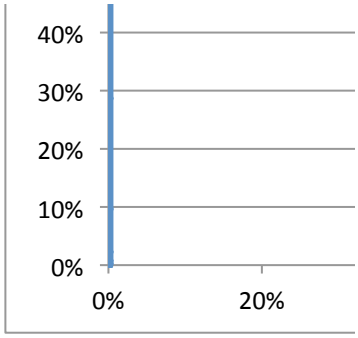
A vs T 121 epochs

ROC data

-6.24	100%	100%
-5.76	100%	98.49%
-5.28	100%	97.74%
-4.8	100%	92.71%
-4.32	100%	80.90%
-3.84	100%	65.83%
-3.36	100%	46.73%
-2.88	100%	29.40%
-2.4	100%	16.58%
-1.92	100%	7.79%
-1.44	100%	4.02%
-0.96	99.75%	2.01%
-0.48	99.75%	0.75%



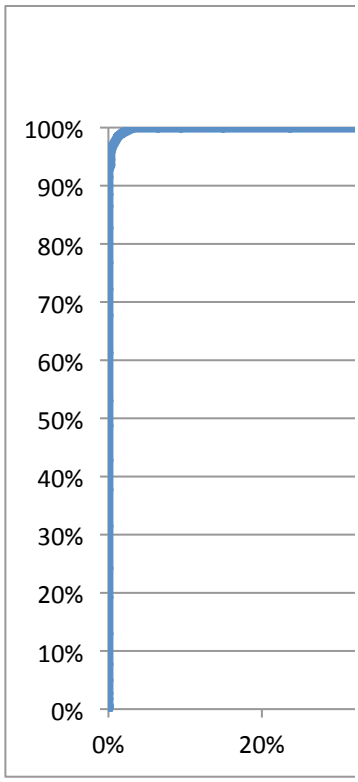
0	99.49%	0.50%
-0.48	97.21%	0%
-0.96	94.67%	0%
-1.44	90.86%	0%
-1.92	87.56%	0%
-2.4	83.76%	0%
-2.88	80.20%	0%
-3.36	70.56%	0%
-3.84	52.28%	0%
-4.32	28.68%	0%
-4.8	9.64%	0%
-5.28	2.28%	0%
-5.76	0.76%	0%
-6.24	0.25%	0%
-6.72	0%	0%



A vs U 500 epochs

ROC data

-19.68	100%	100%
-19.2	100%	99.50%
-18.72	100%	99.25%
-18.24	100%	98.75%
-17.76	100%	97.01%
-17.28	100%	96.01%
-16.8	100%	94.26%
-16.32	100%	92.02%
-15.84	100%	91.02%
-15.36	100%	89.03%
-14.88	100%	86.53%
-14.4	100%	83.29%
-13.92	100%	82.29%
-13.44	100%	80.55%
-12.96	100%	79.30%
-12.48	100%	77.56%
-12	100%	76.81%
-11.52	100%	75.31%
-11.04	100%	75.31%
-10.56	100%	74.81%
-10.08	100%	74.81%
-9.6	100%	74.56%
-9.12	100%	74.06%



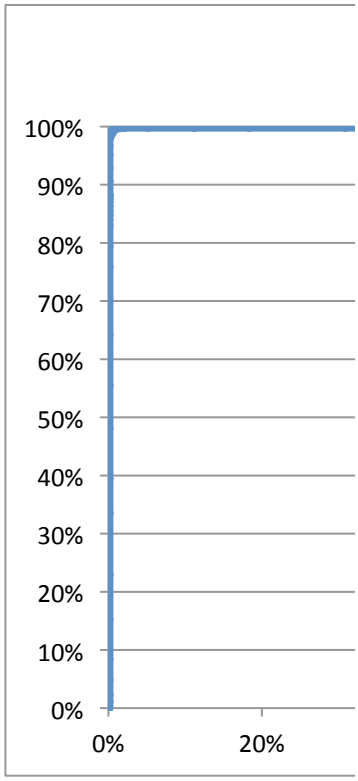
-8.64	100%	73.32%
-8.16	100%	71.82%
-7.68	100%	69.83%
-7.2	100%	67.33%
-6.72	100%	64.09%
-6.24	100%	60.60%
-5.76	100%	56.61%
-5.28	100%	50.12%
-4.8	100%	43.64%
-4.32	100%	34.41%
-3.84	100%	23.69%
-3.36	100%	14.96%
-2.88	100%	9.48%
-2.4	100%	6.48%
-1.92	100%	3.24%
-1.44	99%	1.75%
-0.96	98.50%	1.25%
-0.48	96.75%	0.50%
0	95.75%	0.25%
-0.48	94.50%	0.25%
-0.96	93.50%	0.25%
-1.44	92.75%	0%
-1.92	91.50%	0%
-2.4	90%	0%
-2.88	88.50%	0%
-3.36	86.50%	0%
-3.84	82.75%	0%
-4.32	80%	0%
-4.8	76.75%	0%
-5.28	72.25%	0%
-5.76	67.75%	0%
-6.24	61.25%	0%
-6.72	53%	0%
-7.2	48.75%	0%
-7.68	42.75%	0%
-8.16	37.75%	0%
-8.64	31.50%	0%
-9.12	24.25%	0%
-9.6	19.25%	0%
-10.08	13%	0%
-10.56	7.75%	0%
-11.04	5%	0%
-11.52	2.75%	0%

-12	1.75%	0%
-12.48	0.75%	0%
-12.96	0.50%	0%
-13.44	0.25%	0%
-13.92	0.25%	0%
-14.4	0.25%	0%
-14.88	0%	0%

A vs V 500 epochs

ROC data

-9.6	100%	100%
-9.12	100%	99.74%
-8.64	100%	99.48%
-8.16	100%	99.22%
-7.68	100%	98.43%
-7.2	100%	98.17%
-6.72	100%	97.91%
-6.24	100%	96.87%
-5.76	100%	95.30%
-5.28	100%	93.73%
-4.8	100%	91.12%
-4.32	100%	87.99%
-3.84	100%	81.98%
-3.36	100%	71.28%
-2.88	100%	57.44%
-2.4	100%	43.34%
-1.92	100%	30.81%
-1.44	100%	18.28%
-0.96	100%	11.23%
-0.48	100%	5.22%
0	100%	2.09%
-0.48	99.75%	0.78%
-0.96	97.96%	0%
-1.44	96.69%	0%
-1.92	95.17%	0%
-2.4	92.88%	0%
-2.88	90.59%	0%
-3.36	88.30%	0%
-3.84	88.04%	0%
-4.32	87.53%	0%
-4.8	87.02%	0%

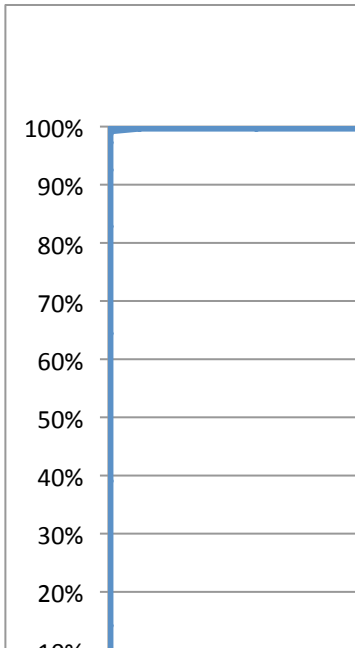


-5.28	86.26%	0%
-5.76	85.50%	0%
-6.24	84.73%	0%
-6.72	83.97%	0%
-7.2	82.95%	0%
-7.68	79.39%	0%
-8.16	75.83%	0%
-8.64	69.97%	0%
-9.12	64.12%	0%
-9.6	55.47%	0%
-10.08	48.09%	0%
-10.56	39.44%	0%
-11.04	33.59%	0%
-11.52	22.90%	0%
-12	15.27%	0%
-12.48	8.40%	0%
-12.96	4.83%	0%
-13.44	2.29%	0%
-13.92	1.02%	0%
-14.4	0%	0%

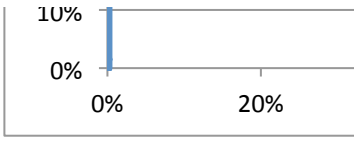
A vs W 13 epochs

ROC data

-4.32	100%	100%
-3.84	100%	99.46%
-3.36	100%	98.64%
-2.88	100%	97.83%
-2.4	100%	97.01%
-1.92	100%	88.04%
-1.44	100%	58.97%
-0.96	100%	19.29%
-0.48	100%	4.08%
0	99.50%	0%
-0.48	98.76%	0%
-0.96	97.26%	0%
-1.44	92.54%	0%
-1.92	82.84%	0%
-2.4	64.43%	0%
-2.88	39.05%	0%
-3.36	14.18%	0%
-3.84	1.49%	0%



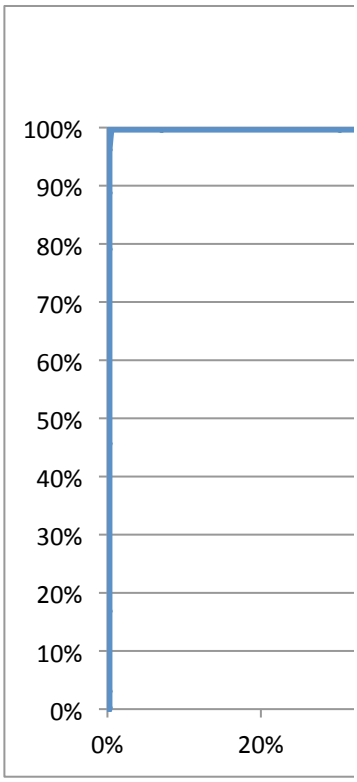
-4.32	0%	0%



A vs X 17 epochs

ROC data

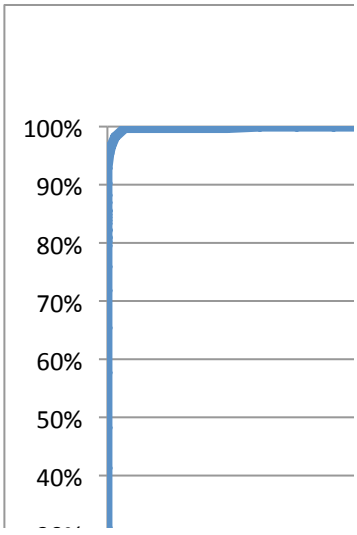
-3.84	100%	100%
-3.36	100%	98.99%
-2.88	100%	86.87%
-2.4	100%	72.98%
-1.92	100%	52.27%
-1.44	100%	30.30%
-0.96	100%	7.07%
-0.48	100%	0.51%
0	99.74%	0.25%
-0.48	96.17%	0%
-0.96	88.78%	0%
-1.44	79.08%	0%
-1.92	45.66%	0%
-2.4	16.84%	0%
-2.88	3.06%	0%
-3.36	0.26%	0%
-3.84	0%	0%



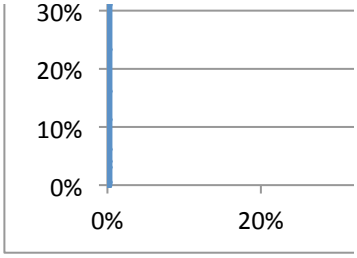
A vs Y 500 epochs

ROC data

-14.88	100%	100%
-14.4	100%	99.75%
-13.92	100%	99.24%
-13.44	100%	98.49%
-12.96	100%	97.98%
-12.48	100%	97.73%
-12	100%	96.47%
-11.52	100%	95.97%
-11.04	100%	95.21%
-10.56	100%	93.70%
-10.08	100%	91.18%
-9.6	100%	88.92%
-9.12	100%	87.15%
-8.64	100%	83.38%
-8.16	100%	79.09%



-7.68	100%	75.82%
-7.2	100%	70.78%
-6.72	100%	65.24%
-6.24	100%	61.21%
-5.76	100%	58.44%
-5.28	100%	53.65%
-4.8	100%	50.88%
-4.32	100%	48.36%
-3.84	100%	44.58%
-3.36	100%	40.30%
-2.88	100%	34.26%
-2.4	100%	29.47%
-1.92	100%	24.69%
-1.44	100%	19.90%
-0.96	99.74%	15.62%
-0.48	99.74%	12.34%
0	99.74%	9.07%
-0.48	99.74%	5.29%
-0.96	99.74%	3.02%
-1.44	99.74%	2.27%
-1.92	98.21%	1.01%
-2.4	96.67%	0.50%
-2.88	95.38%	0.25%
-3.36	92.82%	0%
-3.84	90.26%	0%
-4.32	88.21%	0%
-4.8	86.92%	0%
-5.28	85.64%	0%
-5.76	85.38%	0%
-6.24	84.87%	0%
-6.72	84.36%	0%
-7.2	83.85%	0%
-7.68	83.33%	0%
-8.16	82.31%	0%
-8.64	82.05%	0%
-9.12	81.03%	0%
-9.6	80.77%	0%
-10.08	80.26%	0%
-10.56	79.49%	0%
-11.04	75.90%	0%
-11.52	71.79%	0%
-12	65.38%	0%
-12.48	57.69%	0%

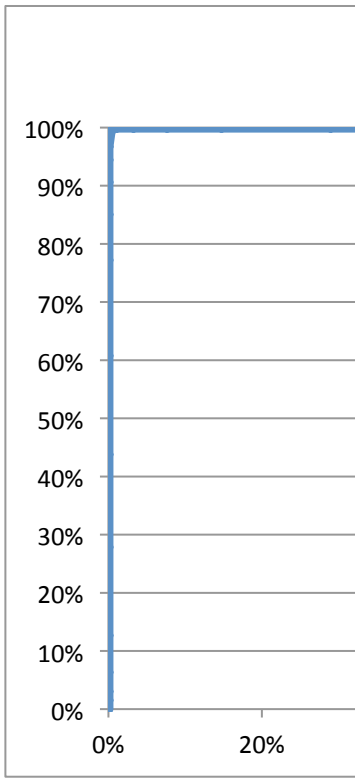


-12.96	48.21%	0%
-13.44	41.28%	0%
-13.92	31.03%	0%
-14.4	23.33%	0%
-14.88	16.15%	0%
-15.36	11.28%	0%
-15.84	6.15%	0%
-16.32	4.10%	0%
-16.8	3.08%	0%
-17.28	0.51%	0%
-17.76	0%	0%

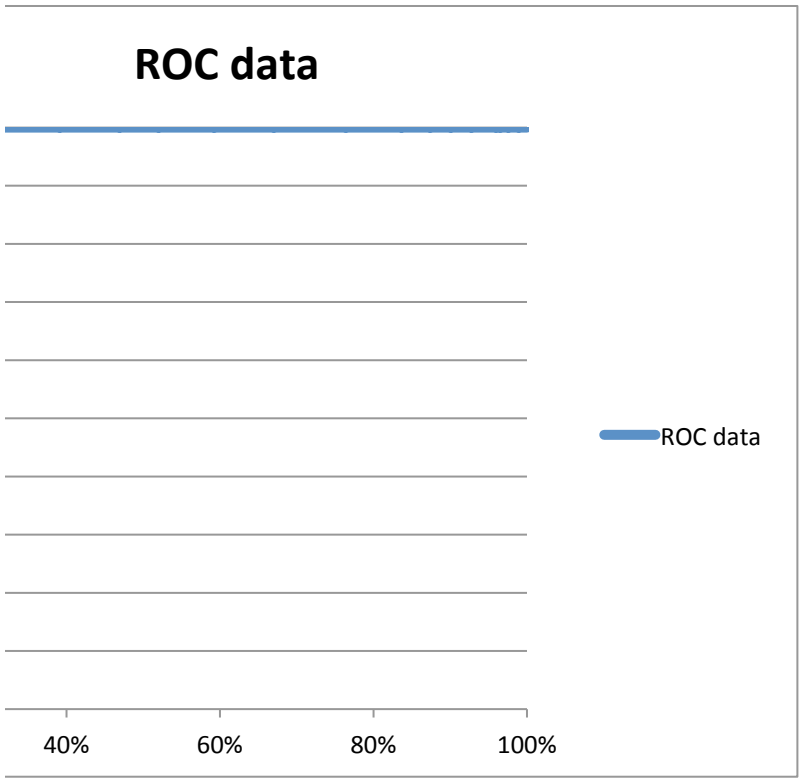
A vs Z 231 epochs

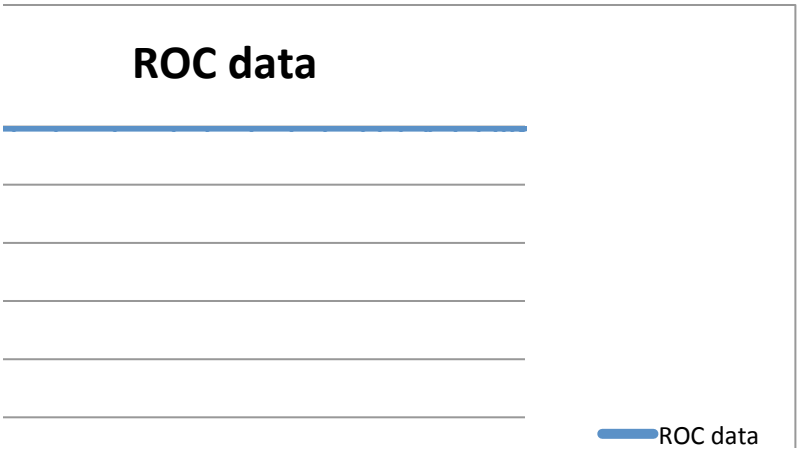
ROC data

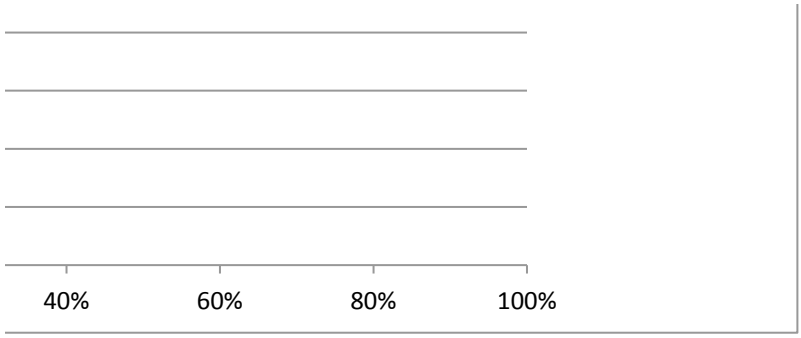
-12.48	100%	100%
-12	100%	99.45%
-11.52	100%	99.45%
-11.04	100%	99.45%
-10.56	100%	99.45%
-10.08	100%	99.18%
-9.6	100%	98.36%
-9.12	100%	98.36%
-8.64	100%	97.27%
-8.16	100%	94.54%
-7.68	100%	91.26%
-7.2	100%	90.16%
-6.72	100%	83.88%
-6.24	100%	78.96%
-5.76	100%	76.78%
-5.28	100%	71.86%
-4.8	100%	66.39%
-4.32	100%	60.66%
-3.84	100%	49.18%
-3.36	100%	39.89%
-2.88	100%	28.96%
-2.4	100%	14.75%
-1.92	100%	7.65%
-1.44	100%	3.28%
-0.96	100%	1.09%
-0.48	100%	0.55%
0	99.75%	0.27%



-0.48	99.24%	0.27%
-0.96	96.71%	0%
-1.44	94.43%	0%
-1.92	90.63%	0%
-2.4	85.06%	0%
-2.88	77.22%	0%
-3.36	60.76%	0%
-3.84	43.80%	0%
-4.32	27.85%	0%
-4.8	12.66%	0%
-5.28	6.33%	0%
-5.76	3.04%	0%
-6.24	1.52%	0%
-6.72	0%	0%


ROC data
40%
60%
80%
100%
ROC data


ROC data
ROC data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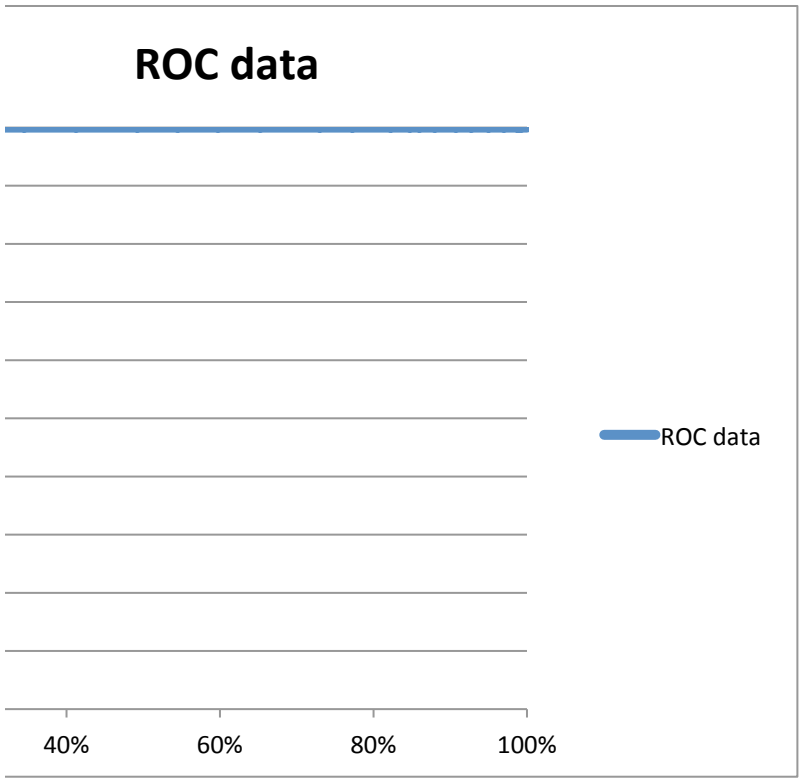
100%


ROC data
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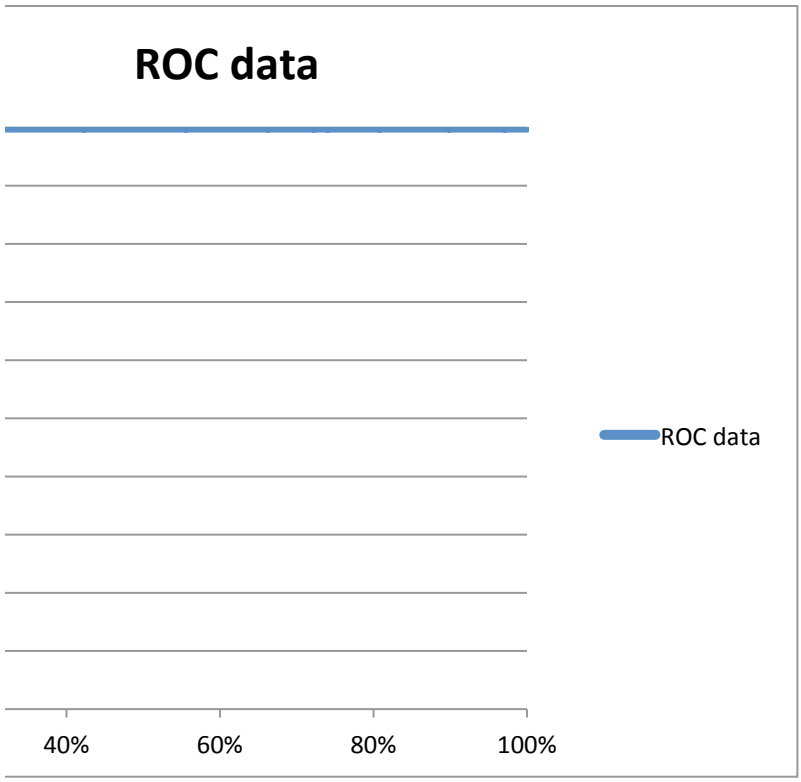
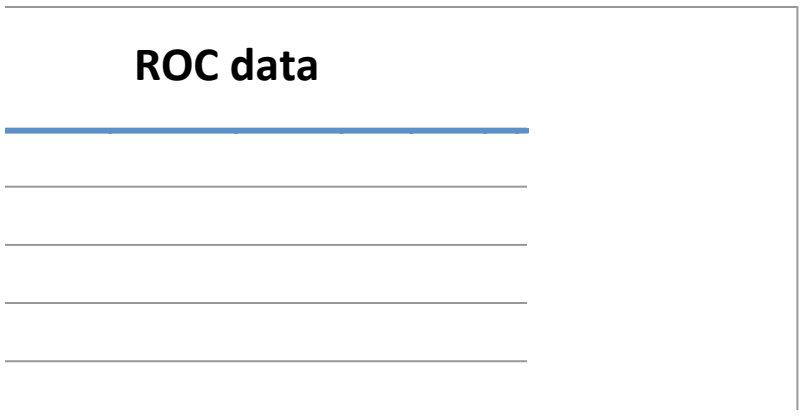
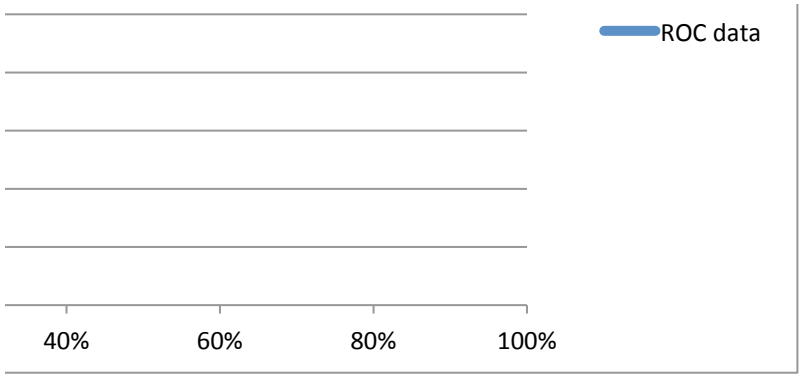
80%
100%
ROC data


ROC data
ROC data
40%
60%
80%
100%


ROC data


ROC data
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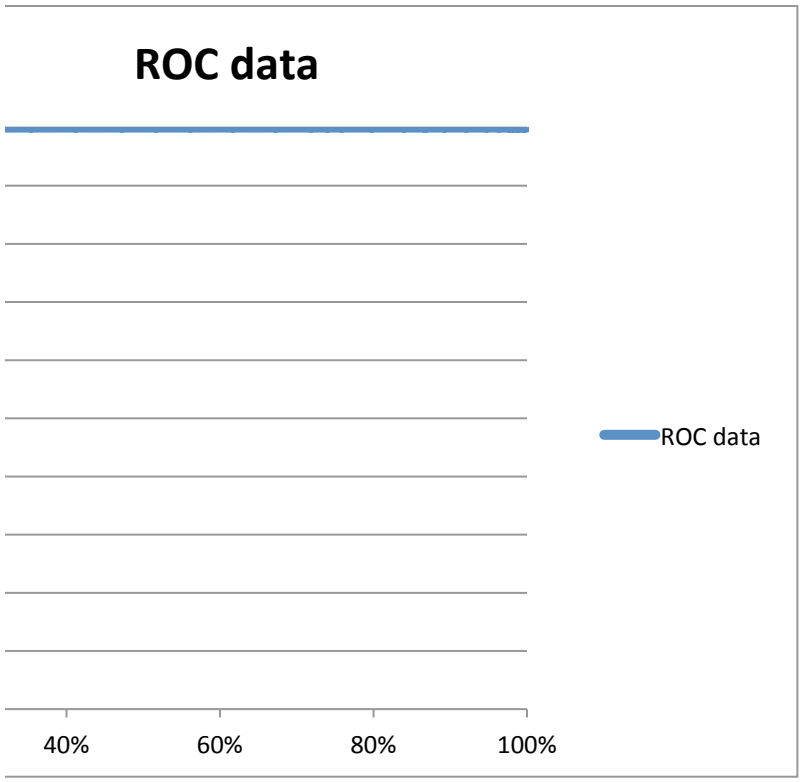
100%


ROC data
ROC data
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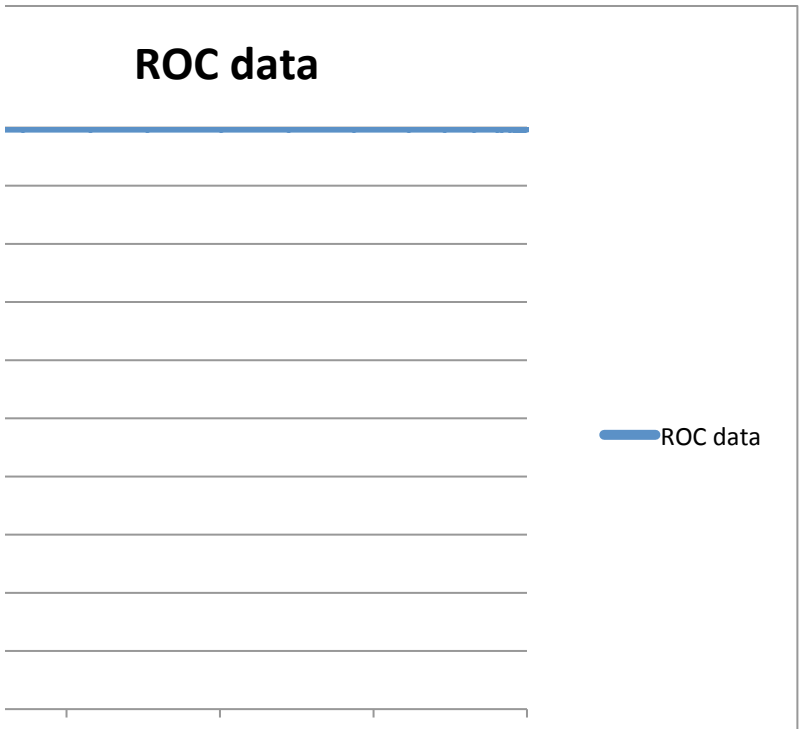
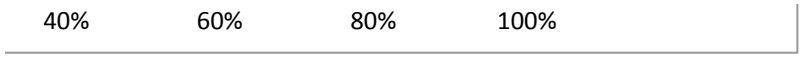
100%


ROC data
ROC data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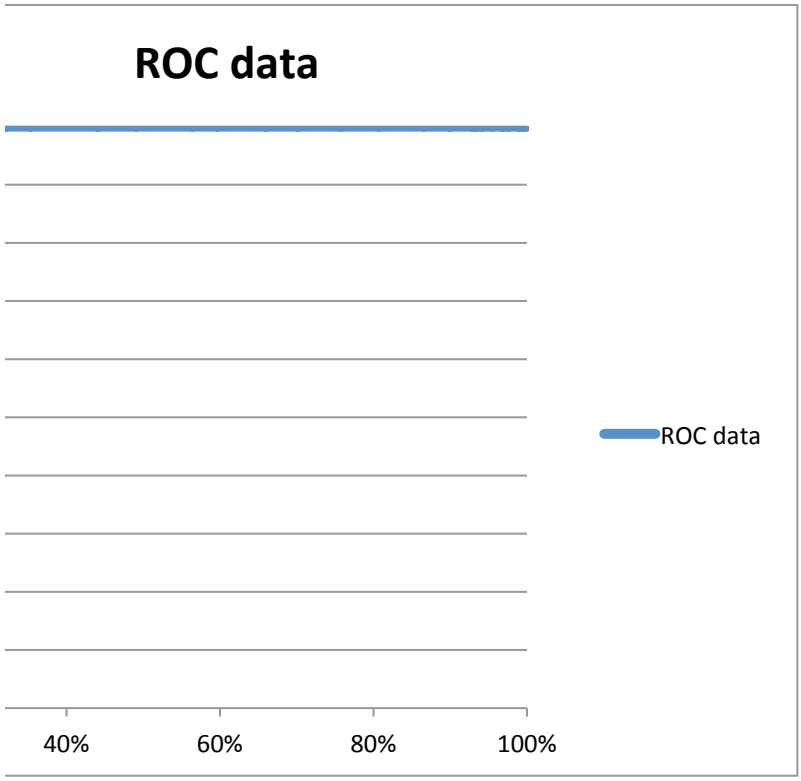
ROC data
40%
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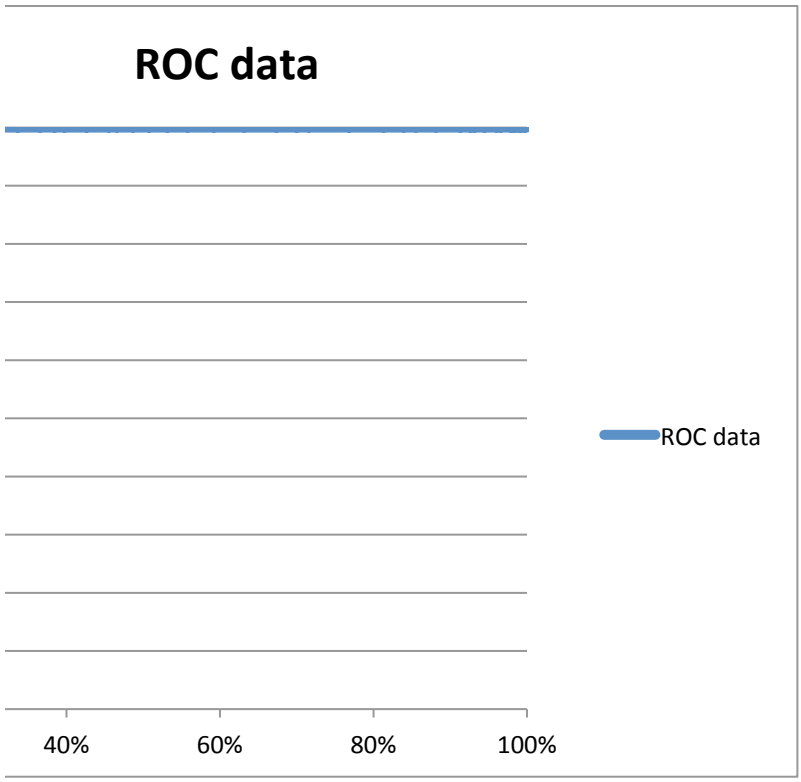
100%
ROC data


ROC data
40%
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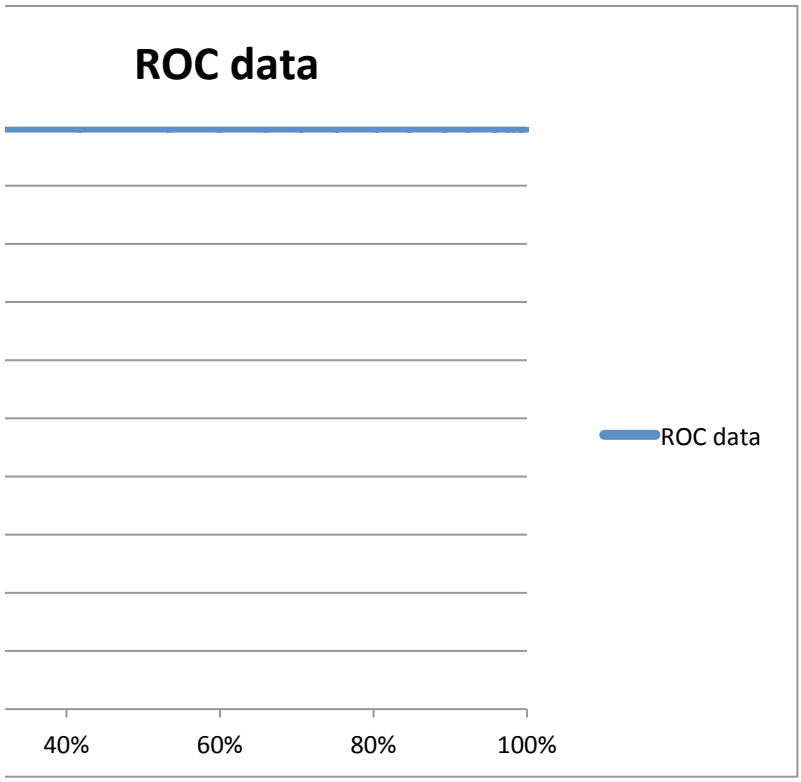
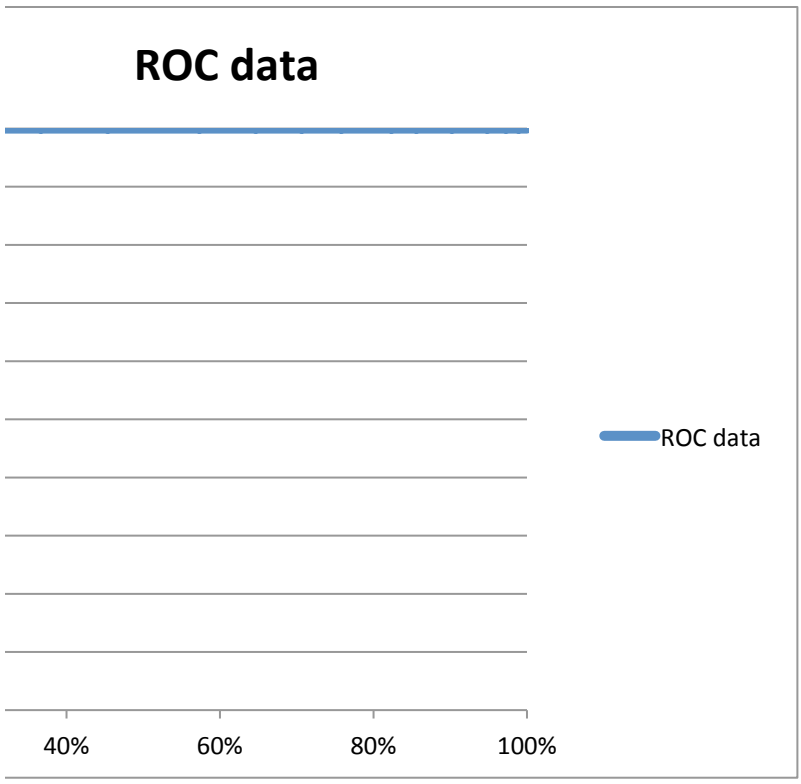
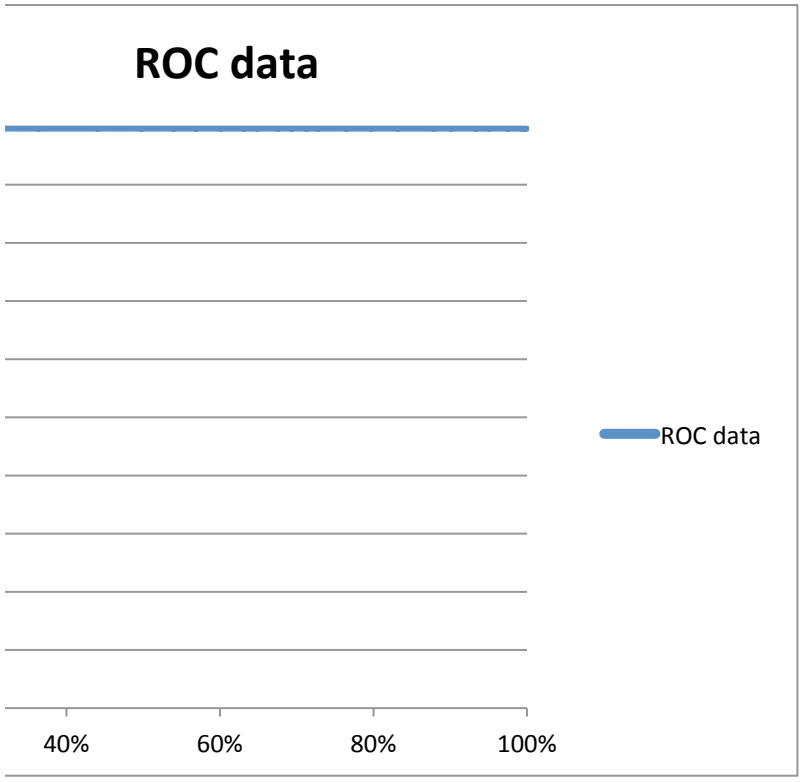
80%
100%
ROC data


ROC data
ROC data
40%
60%
80%
100%


ROC data
ROC data
40%
60%
80%
100%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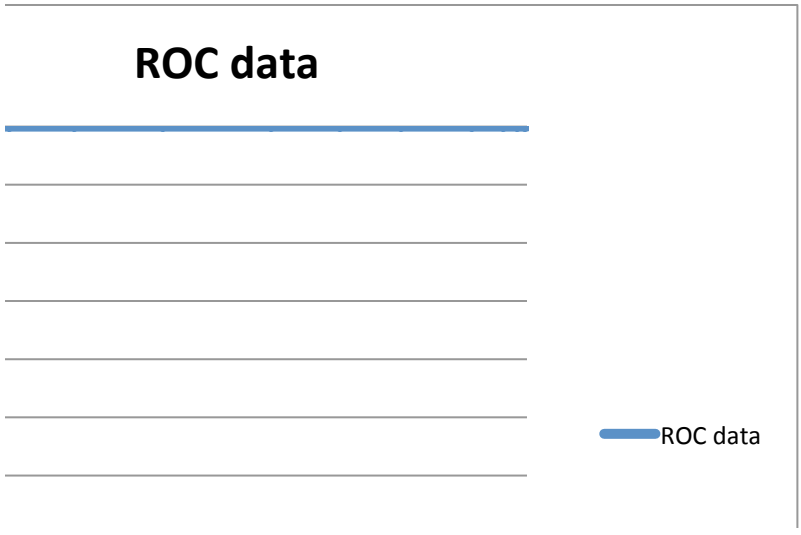
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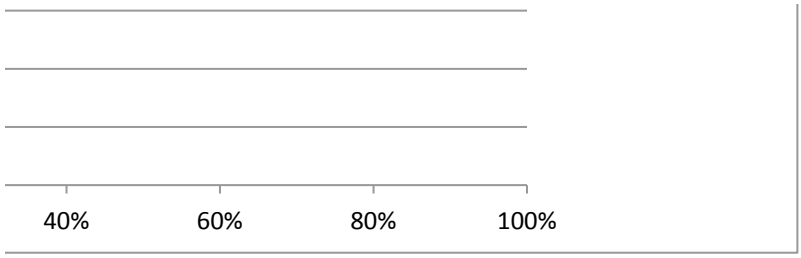
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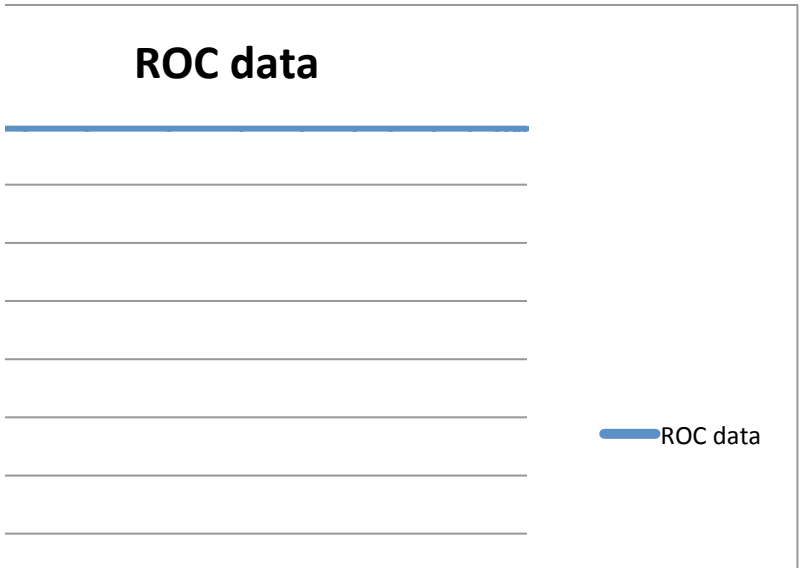
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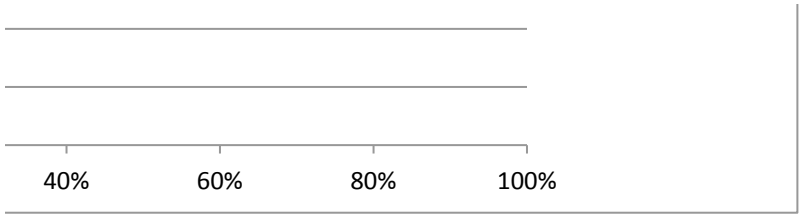
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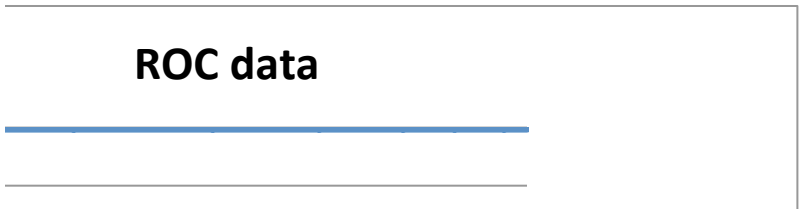
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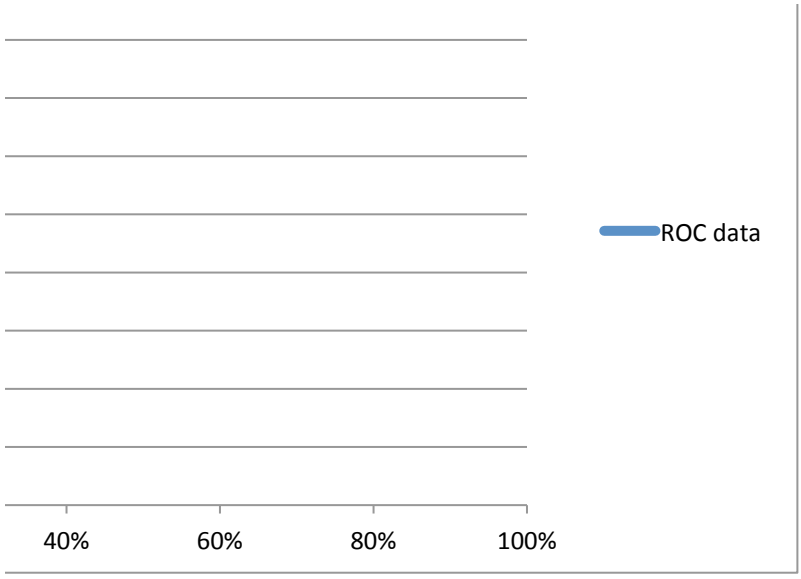
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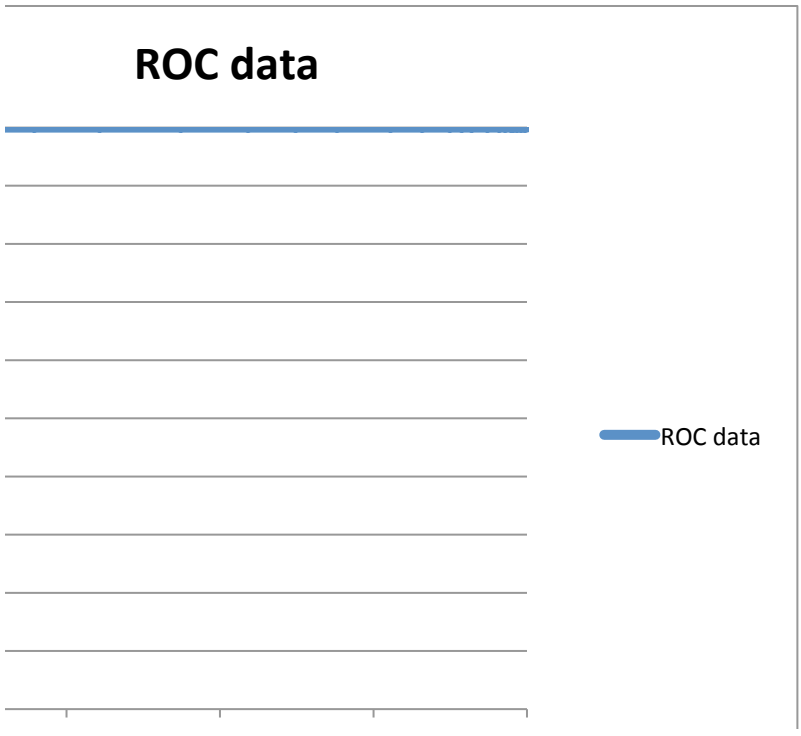
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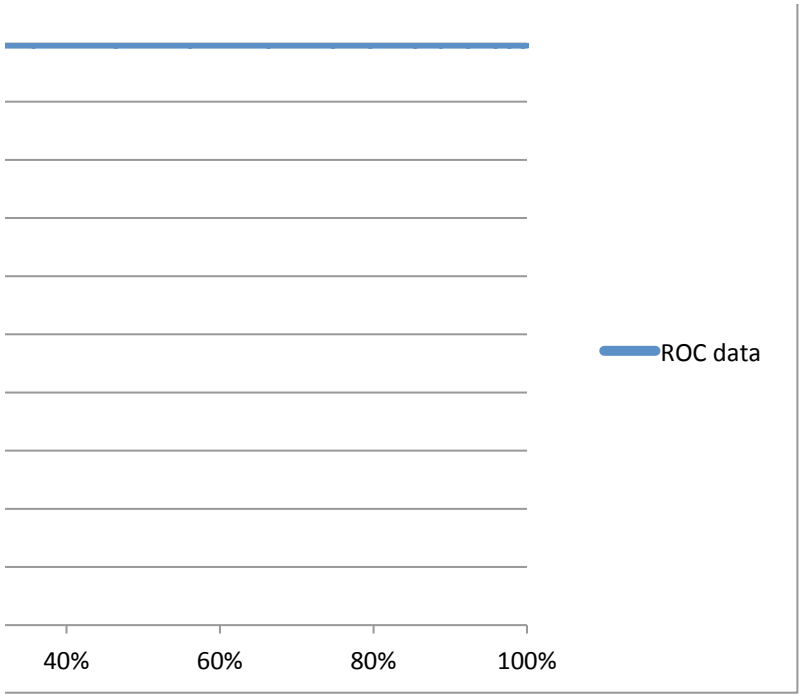
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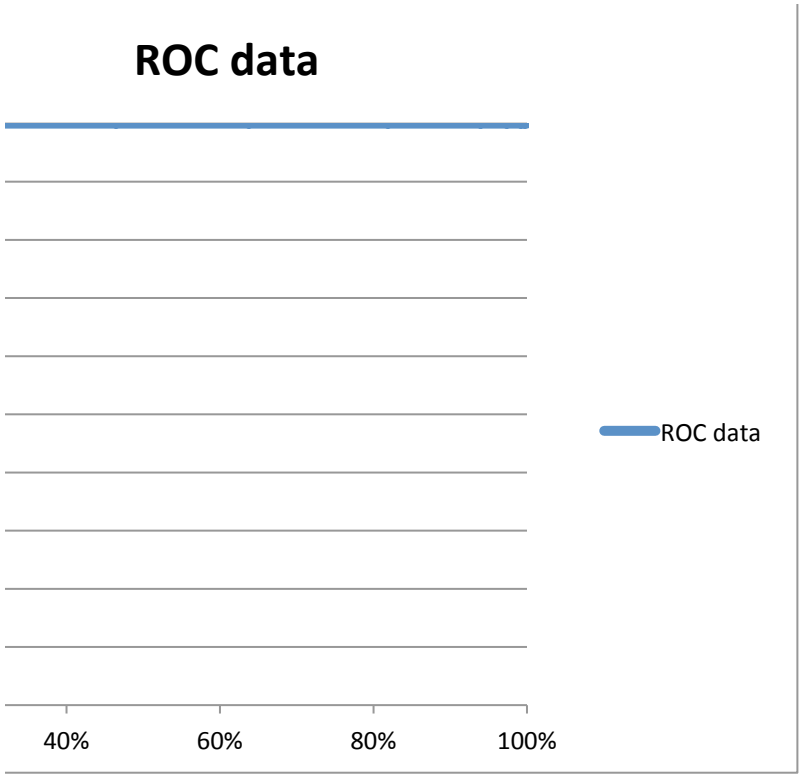
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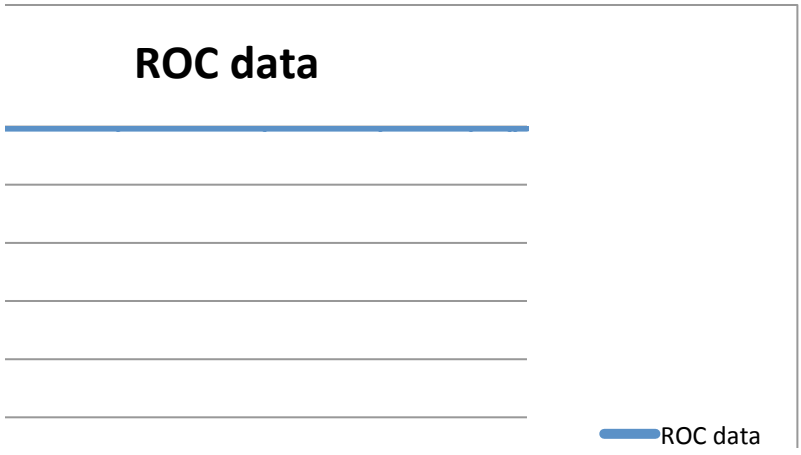
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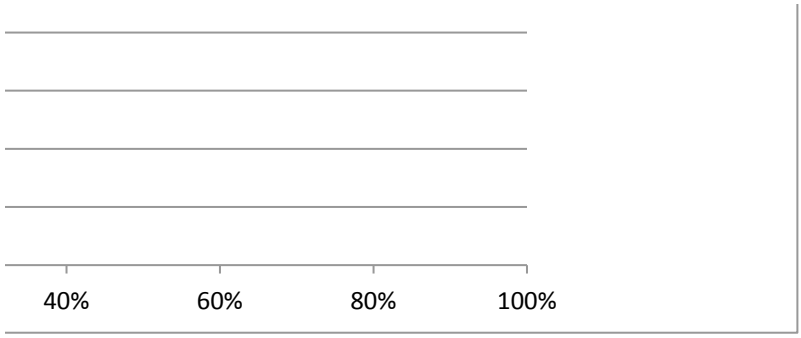
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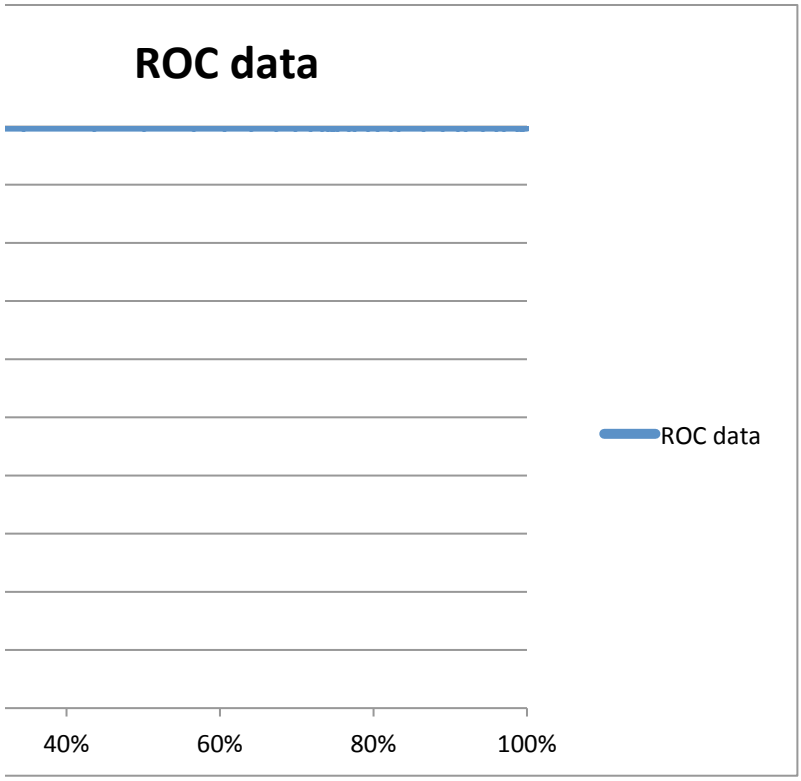
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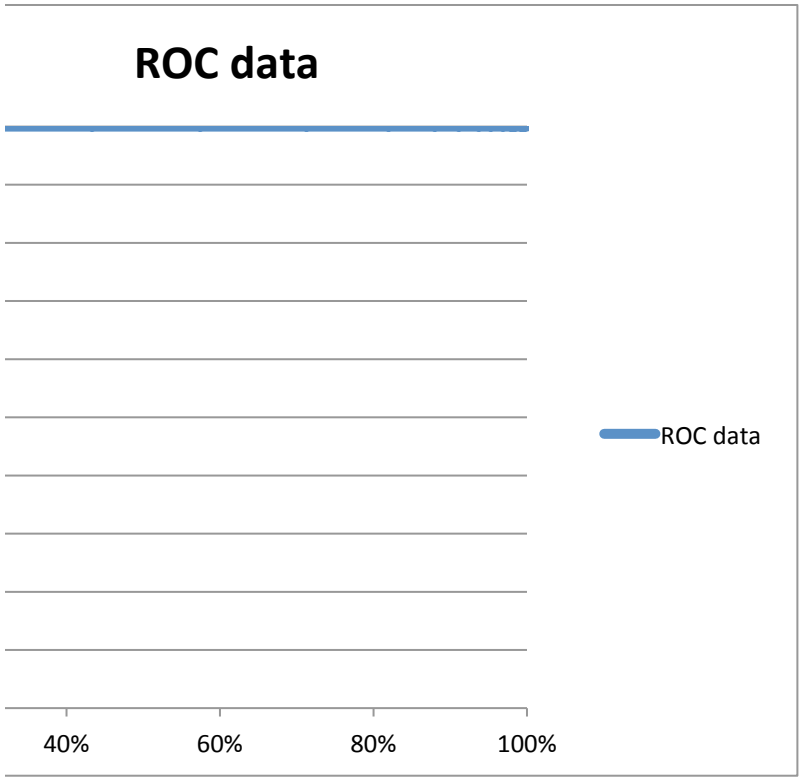
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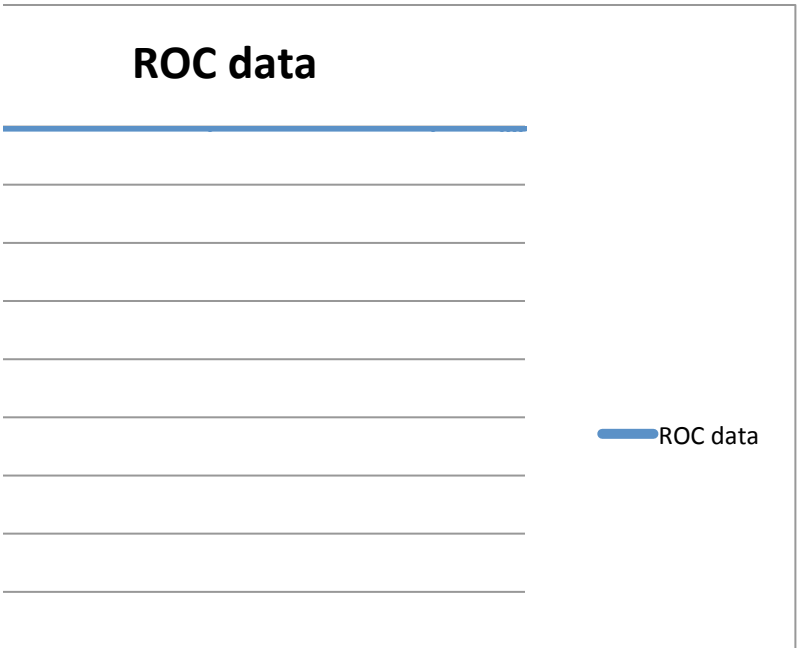
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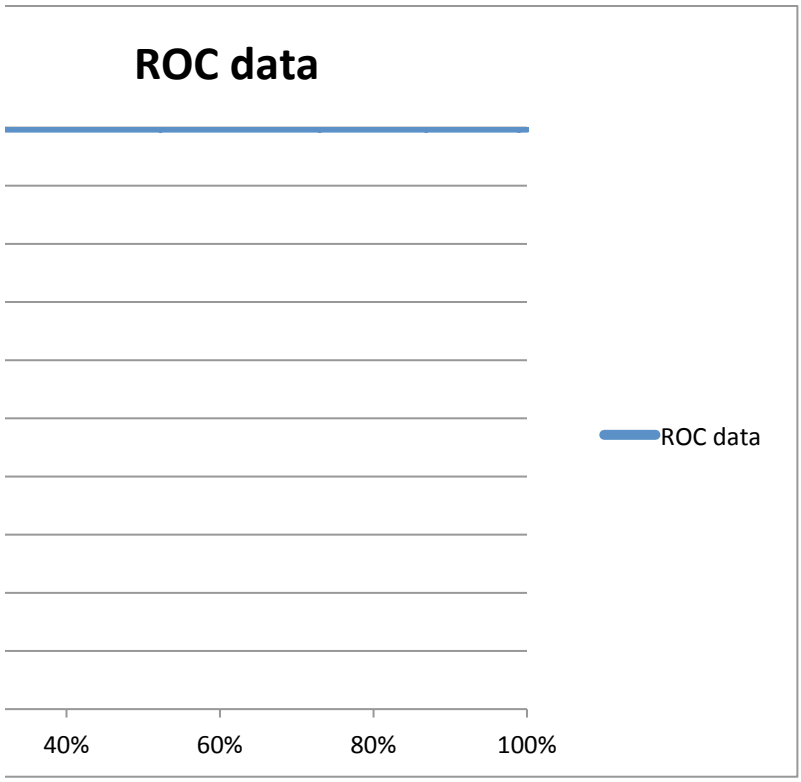
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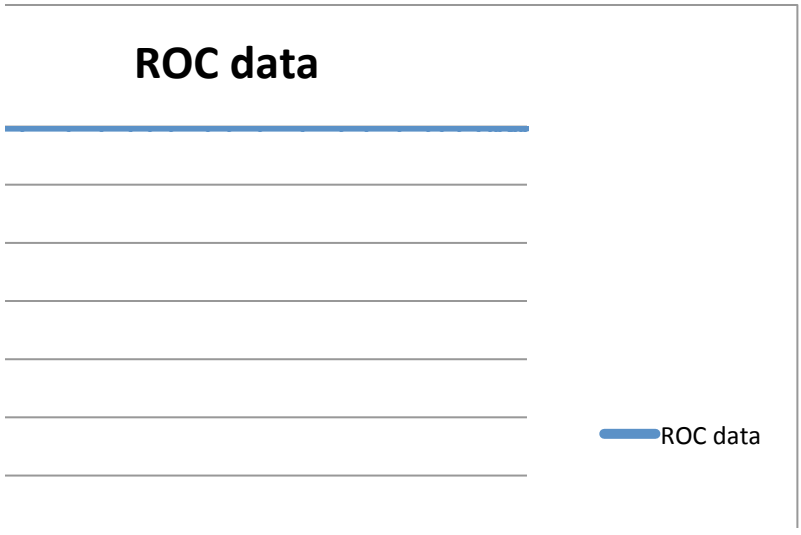
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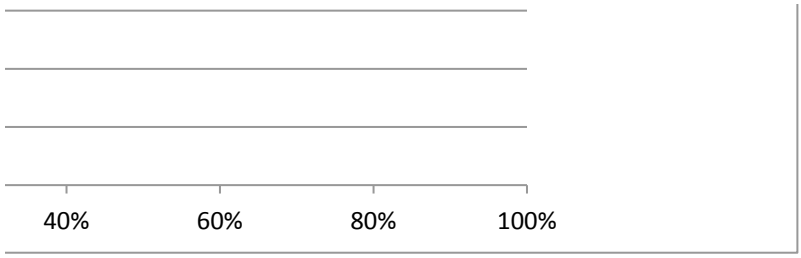
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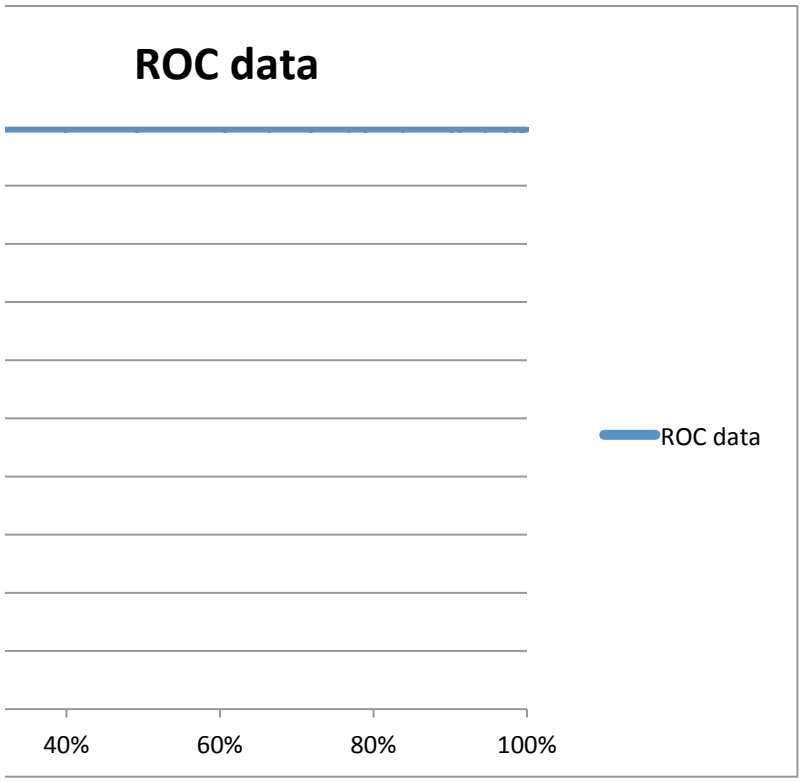
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