

**, upquote=true, framexleftmargin=1mm frame=shadowbox, rulesepcolor=**



UCI Data	PLS	0.00%			10.00%			20.00%			30.00%			40.00%		
		pd	prec	pf	pd	prec	pf	pd	prec	pf	pd	prec	pf	pd	prec	pf
Breast Cancer	knn	<b>62.5</b>	<b>66.7</b>	<b>35.1</b>	<b>58.1</b>	57.9	<b>41.7</b>	51.4	50.0	45.0	50.0	42.9	50.0	46.2	46.2	53.3
	<b>knn+cliff</b>	58.3	<b>66.0</b>	<b>35.5</b>	<b>61.0</b>	62.5	<b>37.5</b>	<b>58.3</b>	<b>64.3</b>	<b>41.5</b>	51.4	54.5	47.6	47.4	54.5	50.0
	knn+cnn	<b>63.2</b>	63.6	35.0	<b>58.8</b>	60.0	<b>40.0</b>	57.1	60.0	40.0	53.5	50.0	43.9	52.6	58.3	47.4
	knn+mcs	52.9	52.4	46.7	51.2	50.0	48.6	52.4	47.8	47.6	<b>57.9</b>	54.5	<b>41.9</b>	50.0	54.5	50.0
	knn+psc	50.0	48.0	48.8	50.0	43.3	47.1	46.3	42.9	52.2	45.5	42.2	52.8	46.7	42.9	52.9
Ecoli	knn	<b>62.5</b>	<b>66.7</b>	<b>1.6</b>	0.0	0.0	7.1	0.0	0.0	8.6	0.0	0.0	9.8	0.0	0.0	9.7
	<b>knn+cliff</b>	<b>57.1</b>	<b>75.0</b>	1.7	<b>64.3</b>	<b>75.0</b>	<b>1.8</b>	<b>66.7</b>	<b>75.0</b>	<b>1.7</b>	<b>60.0</b>	<b>66.7</b>	<b>1.7</b>	<b>50.0</b>	<b>68.8</b>	<b>1.9</b>
	knn+cnn	33.3	37.5	1.7	0.0	0.0	5.3	0.0	0.0	6.1	0.0	0.0	6.0	0.0	0.0	7.5
	knn+mcs	33.3	31.2	1.6	10.0	15.0	5.3	6.2	10.0	4.8	7.4	14.3	5.6	3.8	6.7	4.8
	knn+psc	20.0	26.9	3.0	0.0	0.0	7.3	0.0	0.0	9.0	0.0	0.0	8.5	0.0	0.0	9.1
Glass	knn	<b>66.7</b>	<b>71.4</b>	<b>2.6</b>	33.3	25.0	10.8	20.0	20.0	11.9	7.1	9.1	14.6	7.7	11.1	14.3
	<b>knn+cliff</b>	<b>60.0</b>	<b>83.3</b>	<b>2.6</b>	<b>52.9</b>	<b>66.7</b>	<b>3.3</b>	<b>58.8</b>	<b>66.7</b>	<b>2.7</b>	<b>50.0</b>	<b>52.2</b>	<b>3.0</b>	<b>50.0</b>	<b>52.0</b>	<b>3.4</b>
	knn+cnn	50.0	52.9	4.0	33.3	33.3	6.1	31.2	32.0	8.1	18.2	20.0	10.8	20.0	20.0	9.8
	knn+mcs	50.0	50.0	5.0	30.0	27.3	10.0	31.6	31.6	7.7	30.8	30.0	10.3	31.2	33.3	9.1
	knn+psc	35.7	33.0	8.8	7.1	11.1	15.0	7.7	6.2	13.8	0.0	0.0	14.3	0.0	0.0	15.8
Heart C	knn	76.7	75.0	23.1	60.0	60.0	40.0	54.5	51.6	45.5	44.4	44.4	54.8	40.9	41.9	58.6
	<b>knn+cliff</b>	<b>82.6</b>	<b>83.3</b>	<b>17.2</b>	<b>81.5</b>	<b>81.8</b>	<b>17.1</b>	<b>80.0</b>	<b>82.1</b>	<b>20.0</b>	<b>80.8</b>	<b>80.0</b>	<b>17.2</b>	<b>77.8</b>	<b>76.7</b>	<b>20.0</b>
	knn+cnn	74.2	75.0	25.7	73.1	71.4	26.9	60.6	63.2	38.2	57.7	62.2	40.6	55.6	55.2	43.3
	knn+mcs	54.1	53.3	43.8	52.0	51.7	47.6	52.5	55.6	46.7	48.3	50.0	51.4	50.0	53.7	48.6
	knn+psc	50.0	50.0	50.0	35.1	35.3	64.7	31.4	35.7	66.7	34.5	33.3	65.5	32.0	34.6	65.5
Hepatitis	knn	<b>83.3</b>	<b>82.6</b>	<b>16.7</b>	66.7	75.0	33.3	53.8	53.3	45.8	50.0	45.0	50.0	42.9	33.3	54.2
	<b>knn+cliff</b>	<b>81.8</b>	<b>77.8</b>	<b>17.4</b>	<b>83.3</b>	<b>84.0</b>	<b>16.7</b>	<b>75.0</b>	<b>81.8</b>	<b>25.0</b>	<b>70.0</b>	<b>56.2</b>	<b>28.6</b>	<b>62.1</b>	<b>50.0</b>	<b>37.5</b>
	knn+cnn	<b>77.8</b>	<b>71.4</b>	<b>21.7</b>	71.4	78.3	28.0	62.5	61.5	33.3	57.1	61.5	42.9	50.0	55.6	50.0
	knn+mcs	63.6	68.8	34.6	52.0	41.2	48.0	50.0	38.5	50.0	50.0	50.0	48.3	56.0	46.2	42.9
	knn+psc	60.9	66.7	38.5	52.0	55.6	48.0	44.4	35.7	50.0	45.5	35.7	54.2	42.9	33.3	57.1
Iris	knn	<b>100.0</b>	100.0	0.0	37.5	35.7	29.4	12.5	14.3	42.1	0.0	0.0	50.0	0.0	0.0	47.4
	<b>knn+cliff</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>
	knn+cnn	90.9	88.9	4.3	69.2	72.7	9.5	50.0	54.5	20.0	38.5	40.9	27.3	33.3	34.6	30.0
	knn+mcs	90.9	90.0	4.5	57.1	50.0	20.0	41.7	44.4	23.8	61.5	63.6	13.0	55.6	56.2	19.0
	knn+psc	90.9	92.3	4.3	28.6	25.0	31.2	12.5	16.7	38.1	8.3	8.3	42.9	0.0	0.0	45.0
Labor	knn	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>80.0</b>	<b>80.0</b>	<b>20.0</b>	66.7	66.7	28.6	57.1	57.1	42.9	50.0	50.0	50.0
	<b>knn+cliff</b>	88.9	88.9	11.1	<b>85.7</b>	<b>85.7</b>	<b>14.3</b>	<b>75.0</b>	<b>80.0</b>	<b>25.0</b>	<b>66.7</b>	<b>77.8</b>	<b>28.6</b>	<b>62.5</b>	<b>66.7</b>	<b>33.3</b>
	knn+cnn	90.9	85.7	0.0	<b>80.0</b>	80.0	<b>16.7</b>	66.7	71.4	33.3	60.0	66.7	40.0	<b>60.0</b>	<b>60.0</b>	<b>40.0</b>
	knn+mcs	100.0	100.0	0.0	75.0	77.8	22.2	62.5	66.7	33.3	50.0	60.0	50.0	<b>60.0</b>	50.0	<b>40.0</b>
	knn+psc	100.0	100.0	0.0	62.5	66.7	28.6	66.7	60.0	33.3	44.4	50.0	55.6	50.0	50.0	50.0
Lymph	knn	78.6	<b>78.9</b>	0.0	60.0	50.0	10.0	50.0	33.3	15.4	40.0	40.0	17.2	27.3	25.0	18.2
	<b>knn+cliff</b>	<b>76.9</b>	70.0	6.7	<b>69.2</b>	<b>60.0</b>	<b>6.9</b>	<b>58.8</b>	<b>62.5</b>	<b>7.1</b>	33.3	<b>50.0</b>	<b>10.3</b>	33.3	<b>33.3</b>	<b>12.5</b>
	knn+cnn	66.7	66.7	0.0	56.2	52.9	10.5	43.8	44.4	7.1	<b>43.8</b>	37.5	14.3	33.3	36.4	14.3
	knn+mcs	68.8	70.6	0.0	50.0	50.0	12.5	38.5	28.6	17.9	40.0	33.3	17.6	28.6	20.0	17.9
	knn+psc	58.8	63.6	3.4	33.3	37.5	18.8	28.6	25.0	21.7	23.1	20.0	21.4	25.0	20.0	18.8
Vote	knn	<b>92.1</b>	<b>92.2</b>	<b>7.7</b>	66.0	71.7	33.9	54.1	50.9	45.1	41.2	38.9	58.3	30.6	32.6	69.2
	<b>knn+cliff</b>	89.8	88.1	9.8	<b>90.6</b>	<b>91.3</b>	<b>9.1</b>	<b>90.3</b>	<b>90.5</b>	<b>9.3</b>	<b>88.6</b>	<b>88.9</b>	<b>11.1</b>	<b>90.0</b>	<b>88.2</b>	<b>10.0</b>
	knn+cnn	88.9	88.2	11.1	85.7	82.9	14.3	80.8	75.7	18.9	60.6	65.8	31.8	55.8	53.7	43.9
	knn+mcs	70.4	72.9	29.3	52.2	51.2	47.6	48.1	50.9	51.3	50.0	54.5	48.3	51.7	50.9	47.5
	knn+psc	72.2	71.4	27.0	28.6	31.8	70.3	23.6	23.8	76.2	25.9	23.5	73.9	25.5	25.0	74.5

UCI Data	PLS	0.00%			10.00%			20.00%			30.00%			40.00%		
		pd	prec	pf	pd	prec	pf	pd	prec	pf	pd	prec	pf	pd	prec	pf
Spectra3	knn	100.0	100.0	0.0	0.0	0.0	33.3	0.0	0.0	42.9	0.0	0.0	42.3	0.0	0.0	45.5
	<b>knn+cliff</b>	100.0	100.0	0.0	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>
	knn+cnm	100.0	100.0	0.0	18.2	20.0	20.0	27.3	25.0	23.1	11.8	14.3	26.9	5.0	4.3	30.4
	knn+mcs	100.0	100.0	0.0	18.8	35.7	9.1	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>93.8</b>	<b>0.0</b>
	knn+psc	100.0	100.0	0.0	0.0	0.0	31.8	0.0	0.0	44.0	0.0	0.0	50.0	0.0	0.0	40.0
Spectra5	knn	100.0	100.0	0.0	0.0	0.0	8.7	0.0	0.0	12.5	0.0	0.0	12.9	0.0	0.0	11.4
	<b>knn+cliff</b>	100.0	100.0	0.0	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>
	knn+cnm	100.0	100.0	0.0	0.0	0.0	5.6	0.0	0.0	8.6	0.0	0.0	11.4	0.0	0.0	7.1
	knn+mcs	100.0	100.0	0.0	25.0	28.6	3.0	33.3	57.1	2.9	75.0	87.5	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>
	knn+psc	100.0	100.0	0.0	0.0	0.0	8.8	0.0	0.0	12.5	0.0	0.0	12.1	0.0	0.0	8.0
Spectra10	knn	100.0	100.0	0.0	20.0	10.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0	5.6
	<b>knn+cliff</b>	100.0	100.0	0.0	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>
	knn+cnm	100.0	100.0	0.0	50.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
	knn+mcs	100.0	100.0	0.0	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>
	knn+psc	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.9	0.0	0.0	5.4
Spectra20	knn	100.0	<b>100.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	2.7
	<b>knn+cliff</b>	100.0	100.0	0.0	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>80.0</b>	<b>0.0</b>	<b>100.0</b>	<b>100.0</b>	<b>0.0</b>	<b>100.0</b>	<b>83.3</b>	<b>0.0</b>
	knn+cnm	100.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	knn+mcs	100.0	<b>100.0</b>	0.0	50.0	50.0	0.0	33.3	40.0	0.0	33.3	33.3	<b>0.0</b>	50.0	50.0	<b>0.0</b>
	knn+psc	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	2.7































