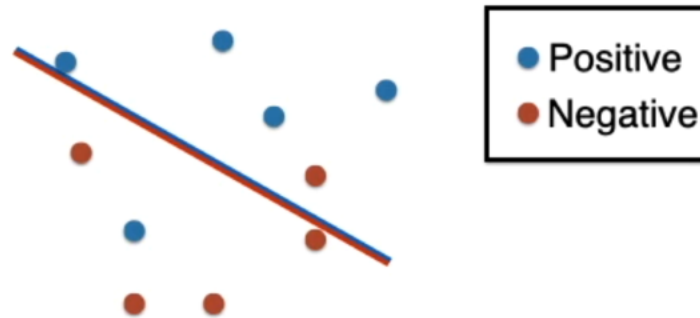


The ROC Curve

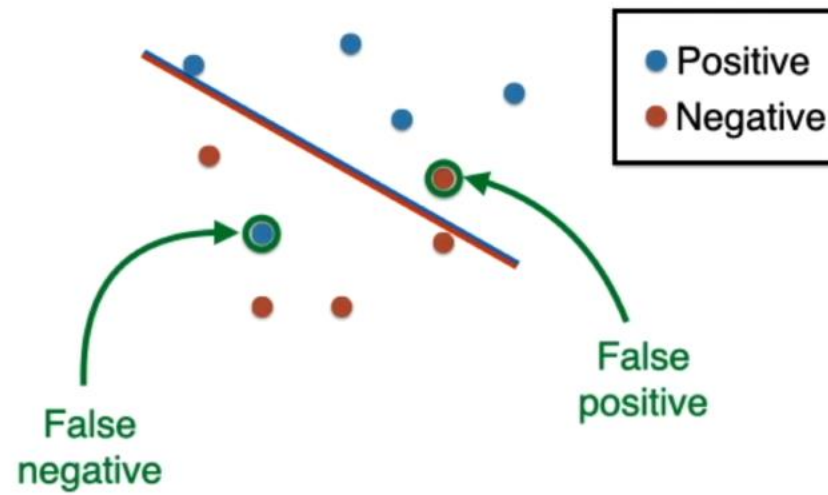
(Receiver Operating Characteristic)

Luis Serrano

A tale of two models

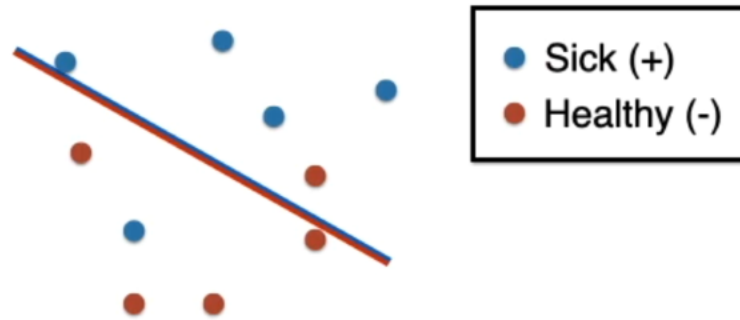


A tale of two models

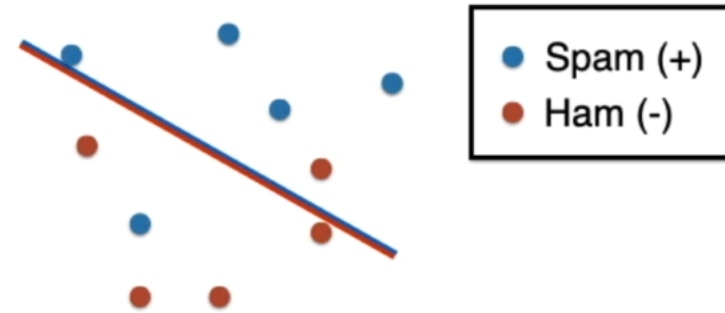


A tale of two models

Medical model

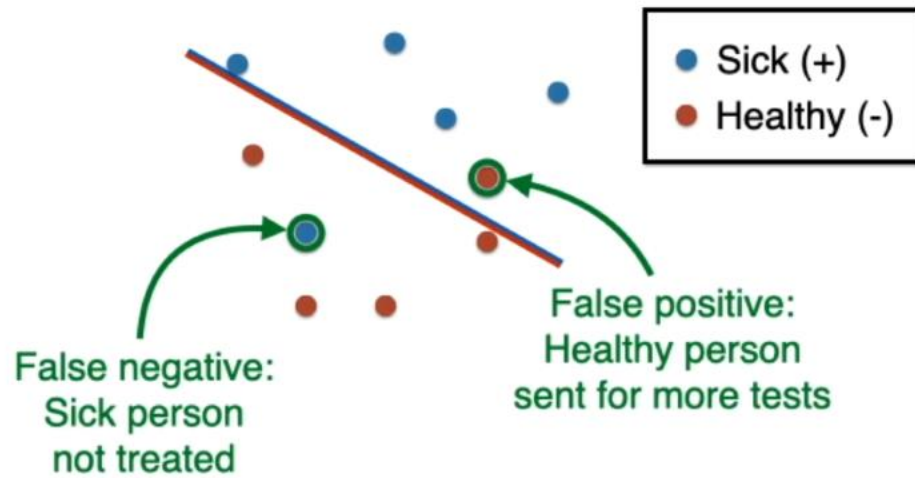


Spam model

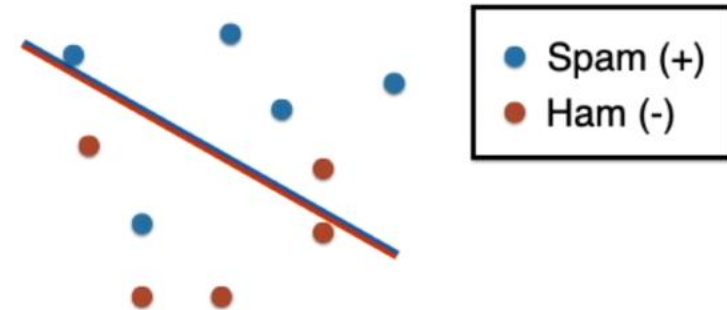


A tale of two models

Medical model

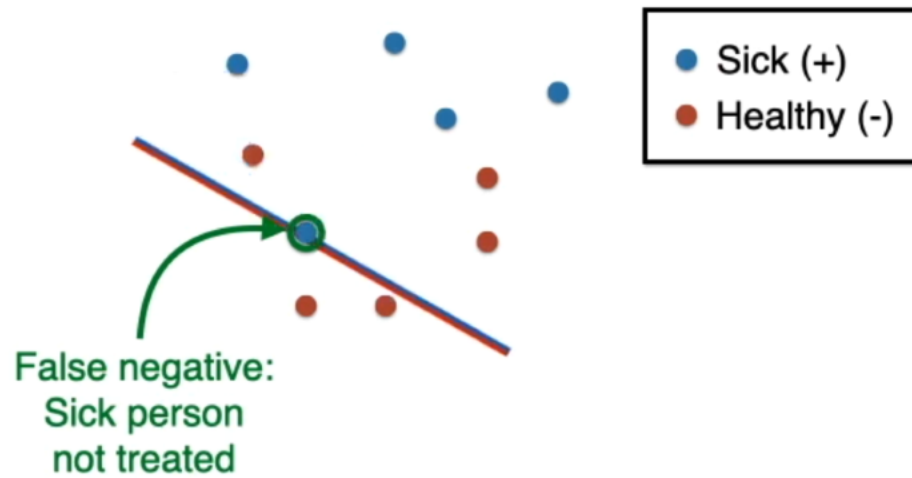


Spam model

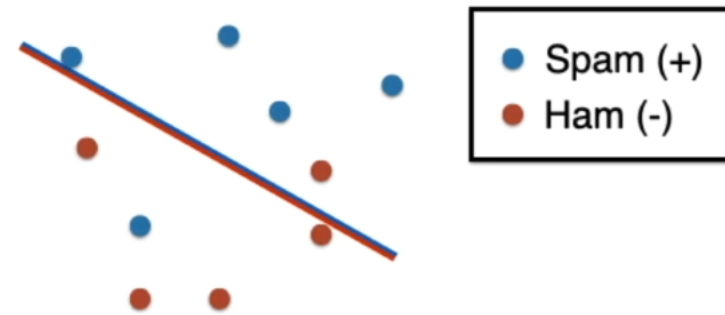


A tale of two models

Medical model

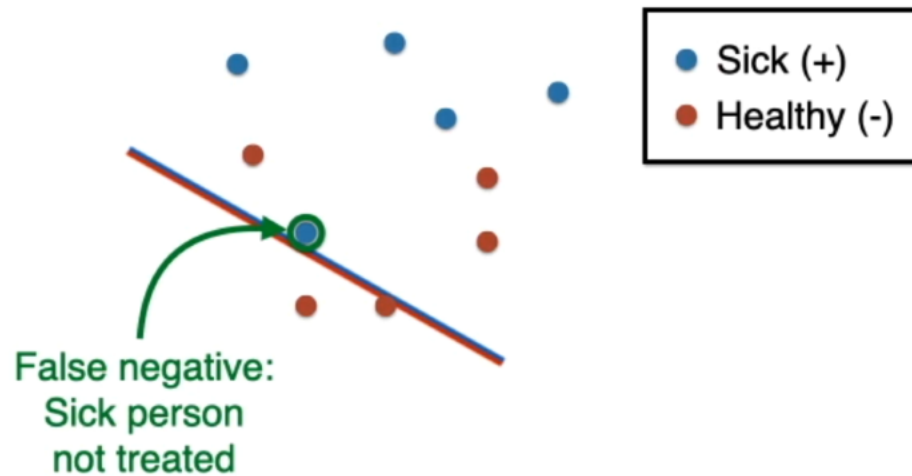


Spam model

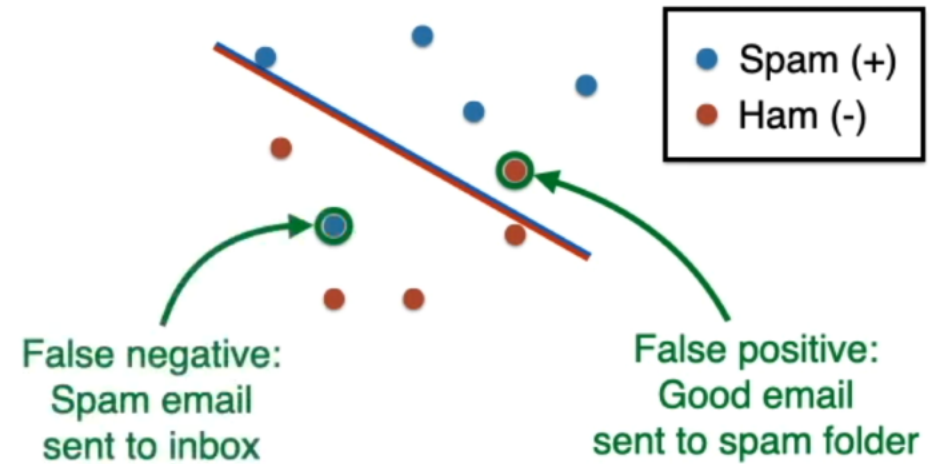


A tale of two models

Medical model

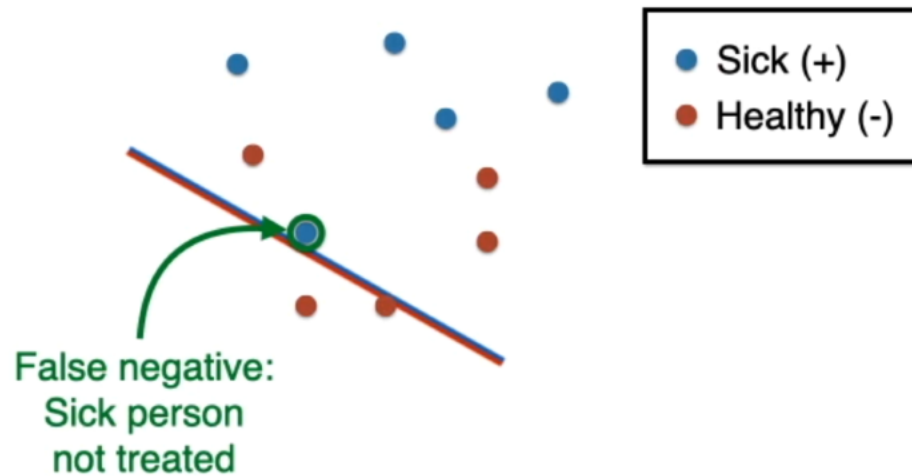


Spam model

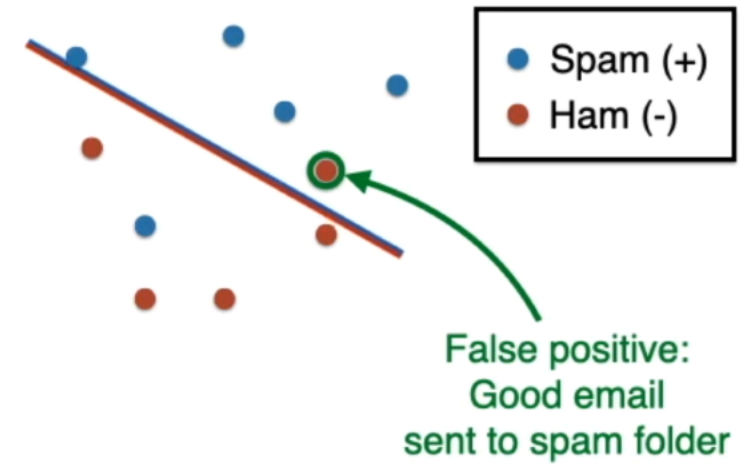


A tale of two models

Medical model

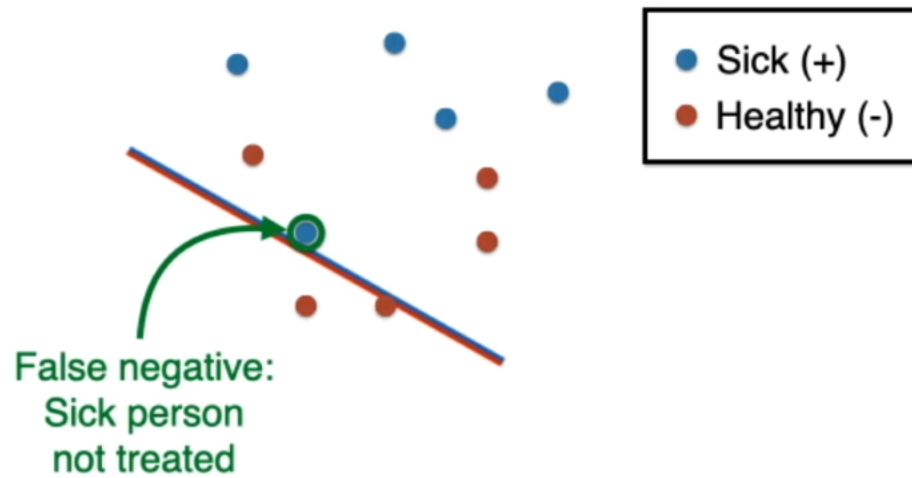


Spam model

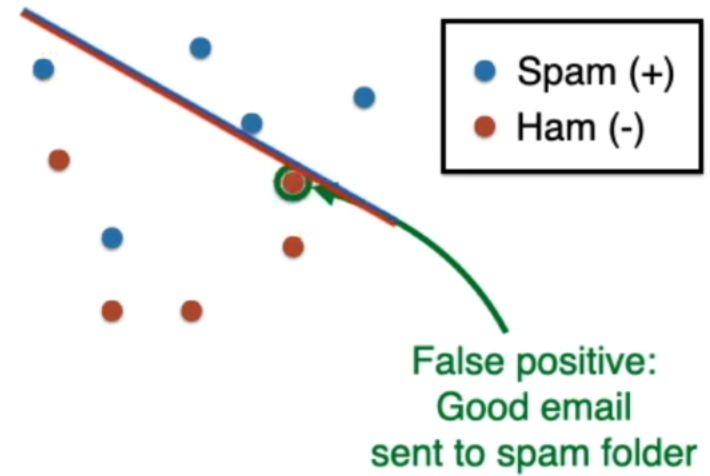


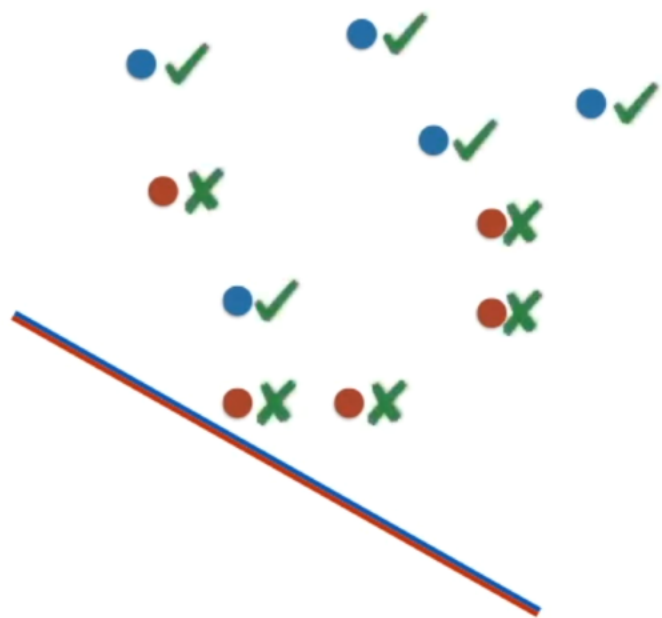
A tale of two models

Medical model

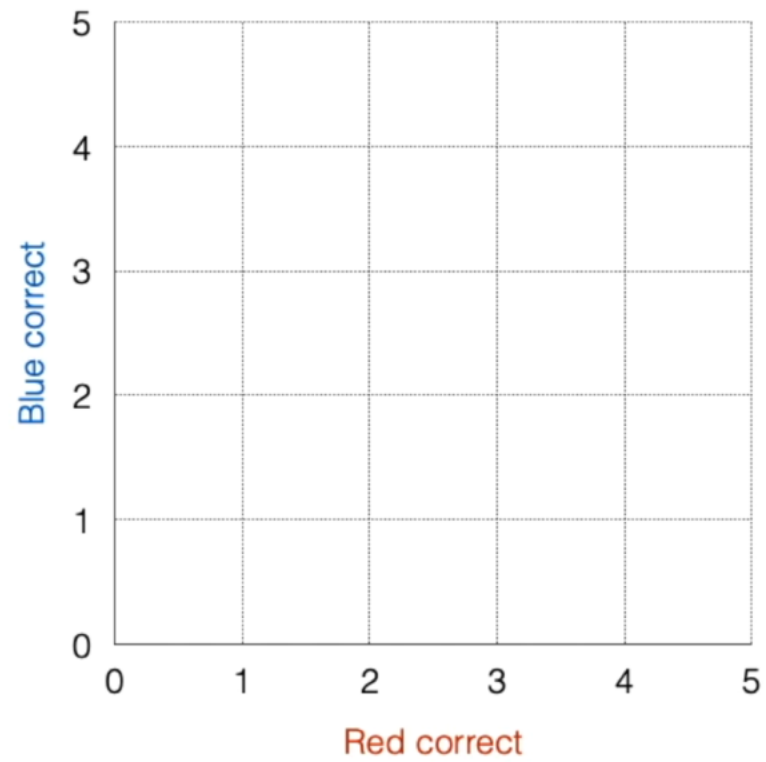
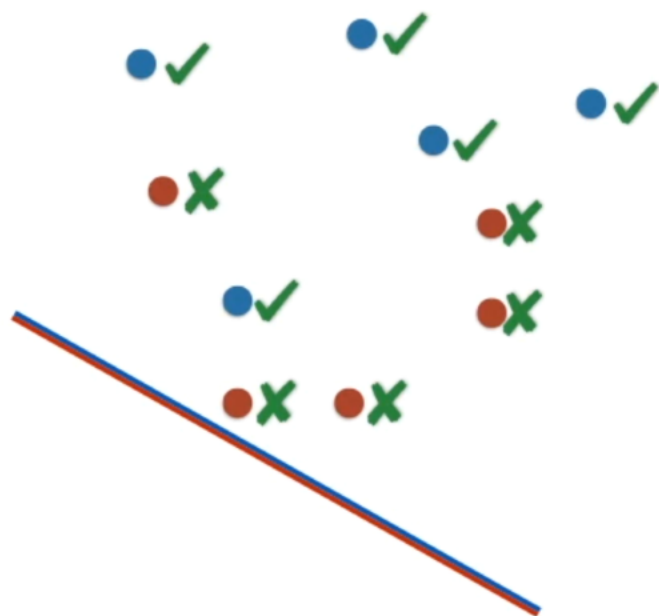


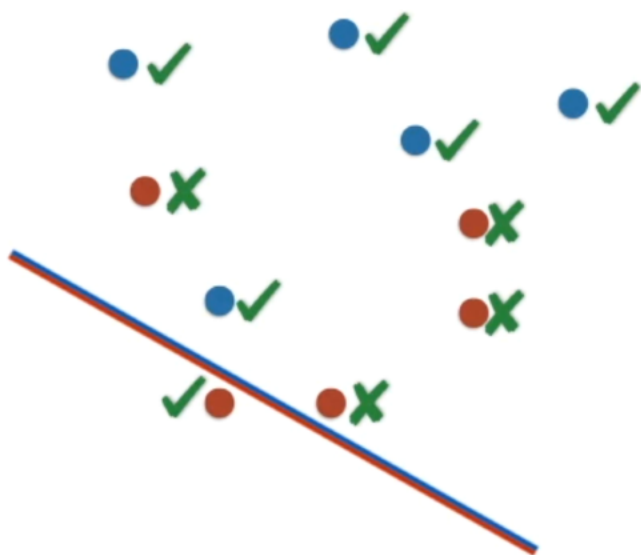
Spam model



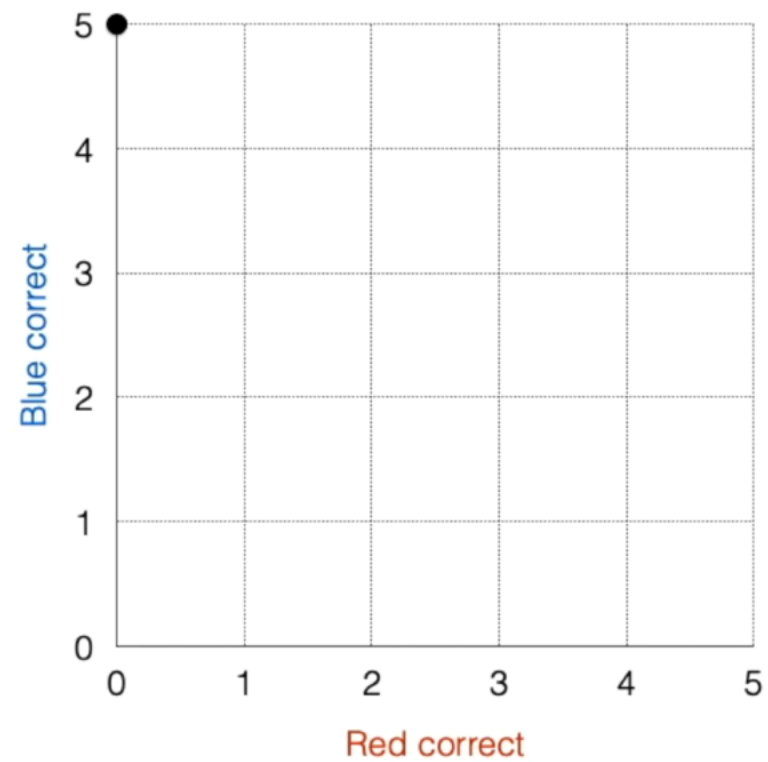


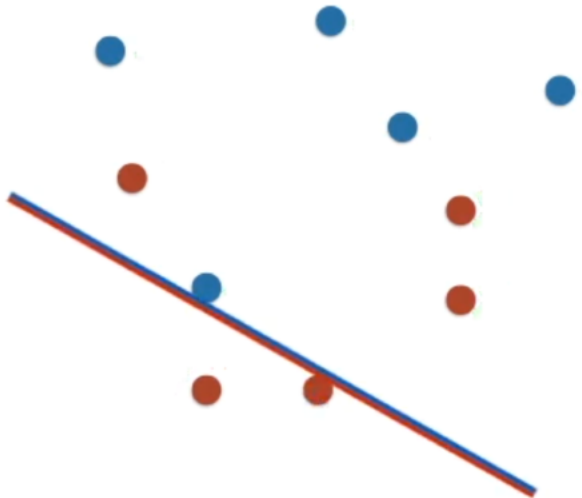
Step	Correct	Correct
0	0	5



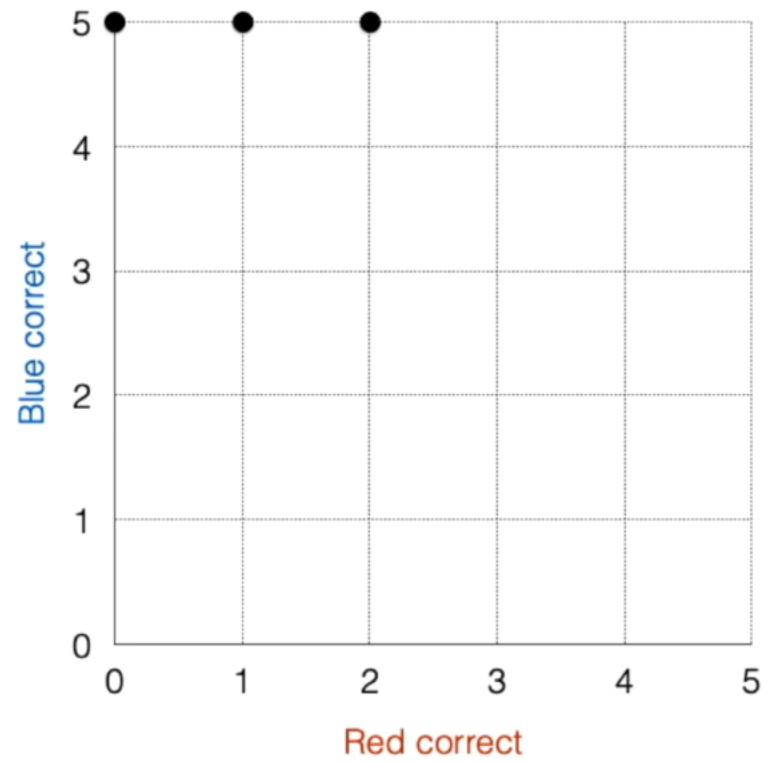


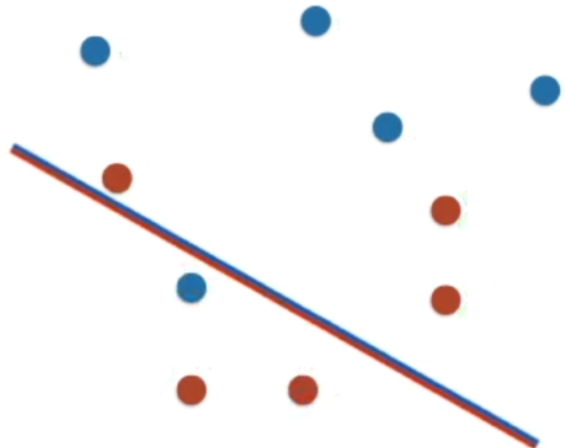
Step	Correct	Correct
0	0	5
1	1	5



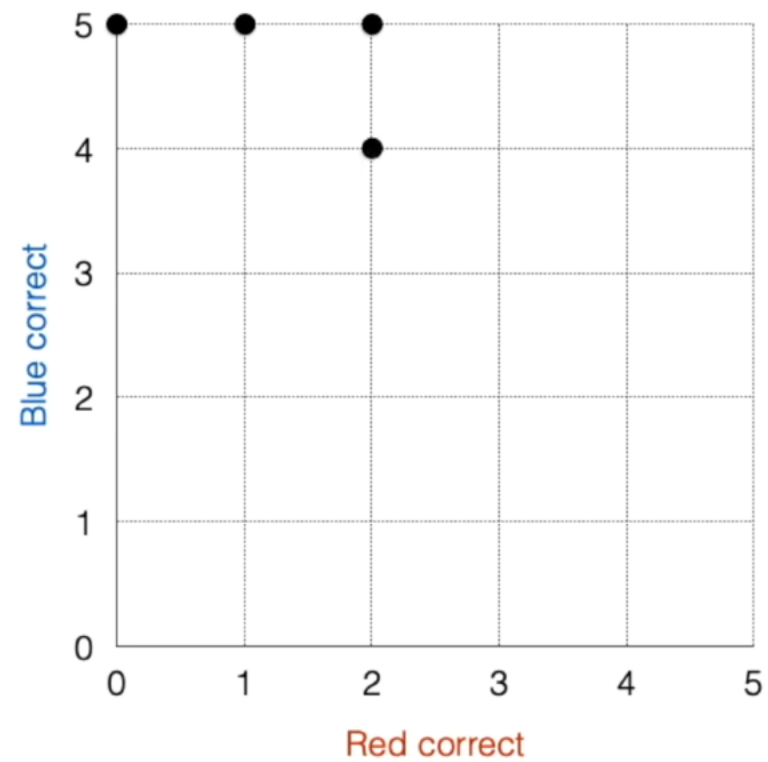


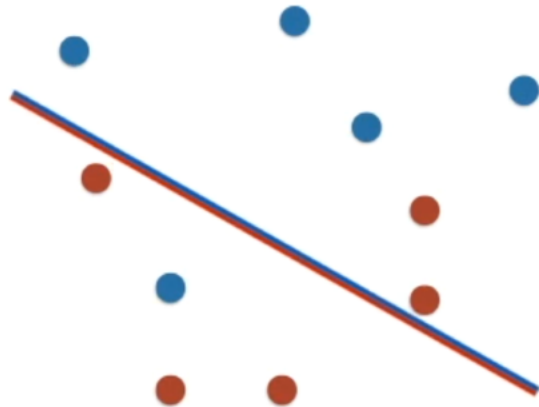
Step	Correct	Correct
0	0	5
1	1	5
2	2	5



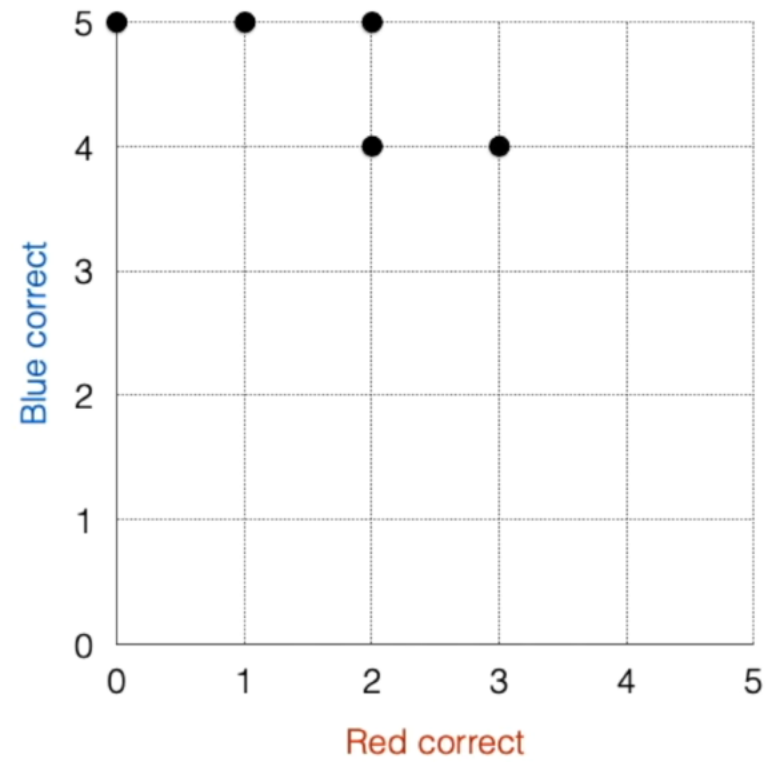


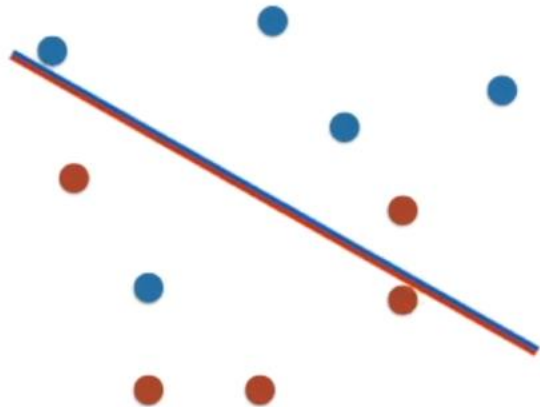
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4



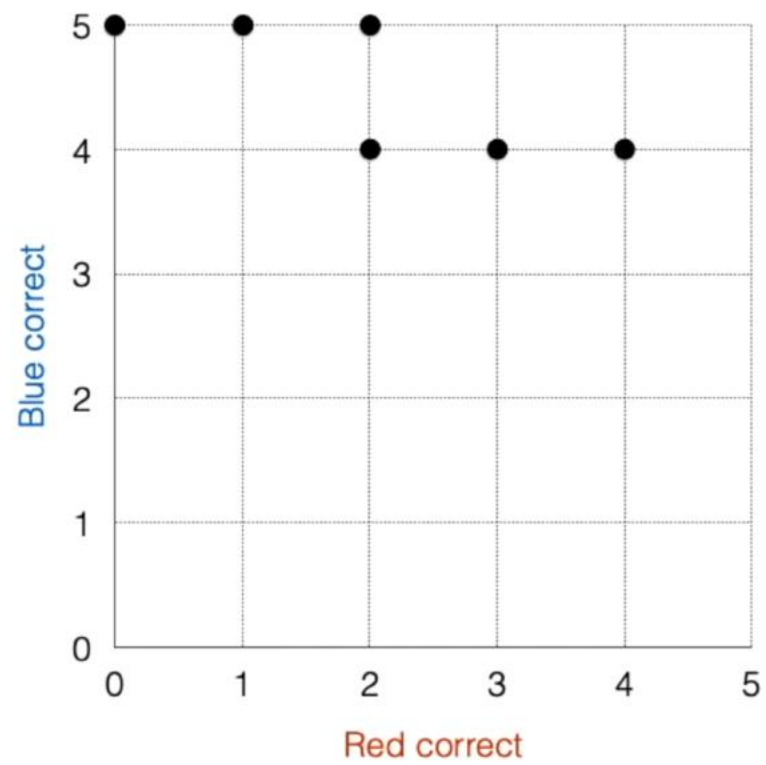


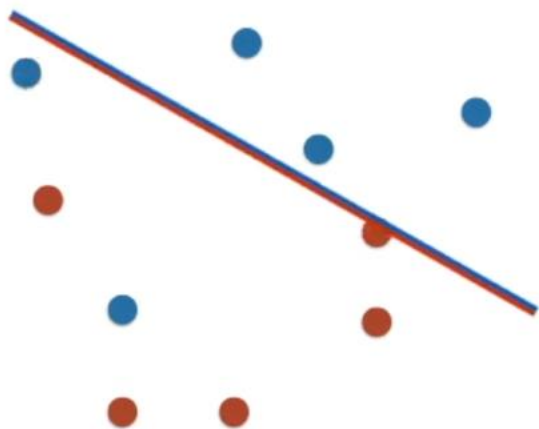
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4



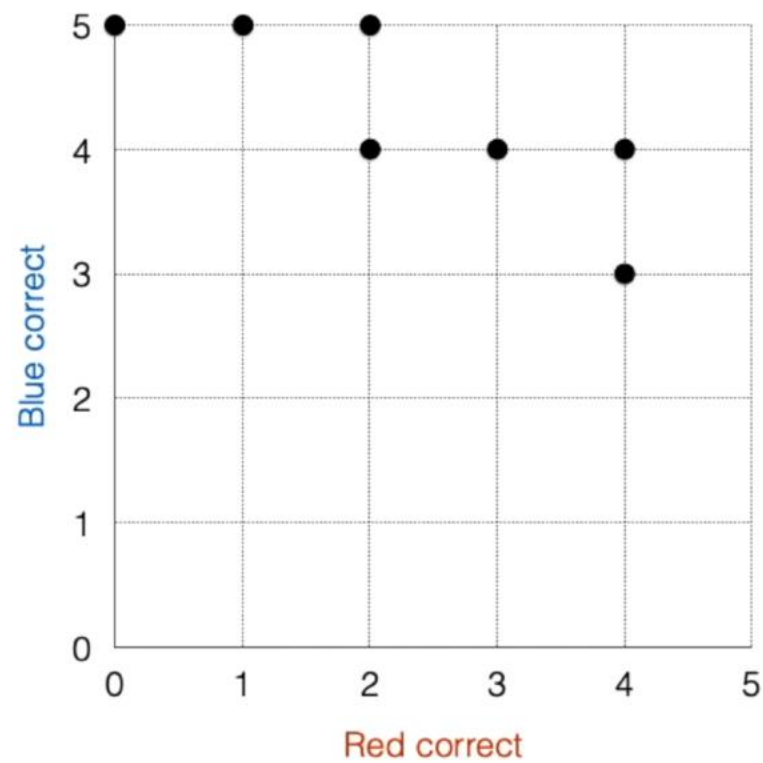


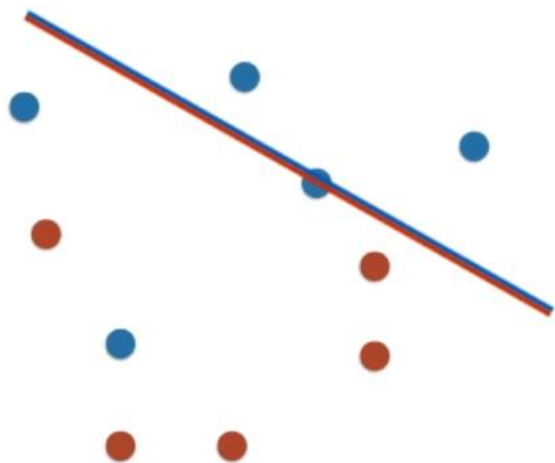
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4



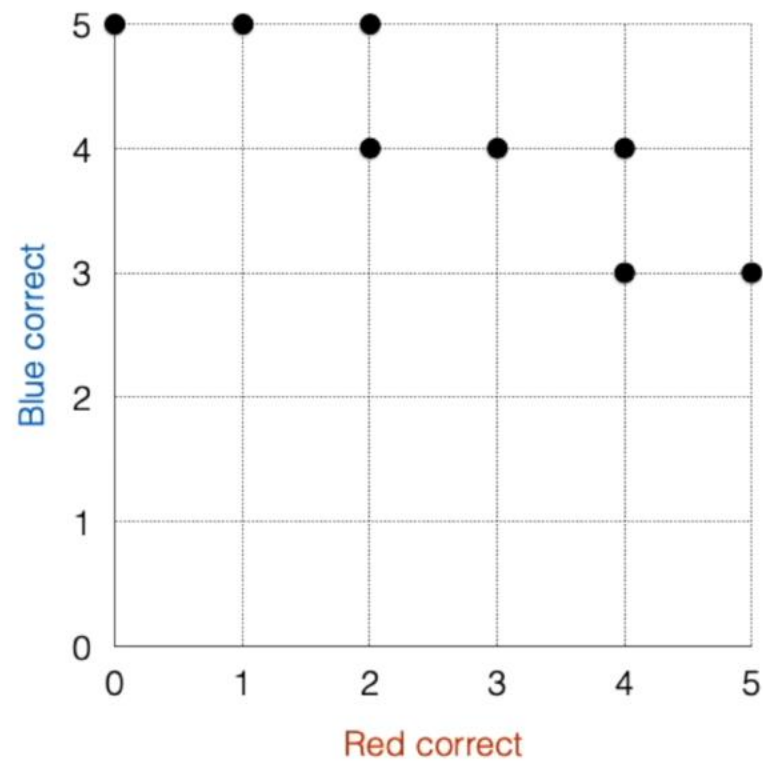


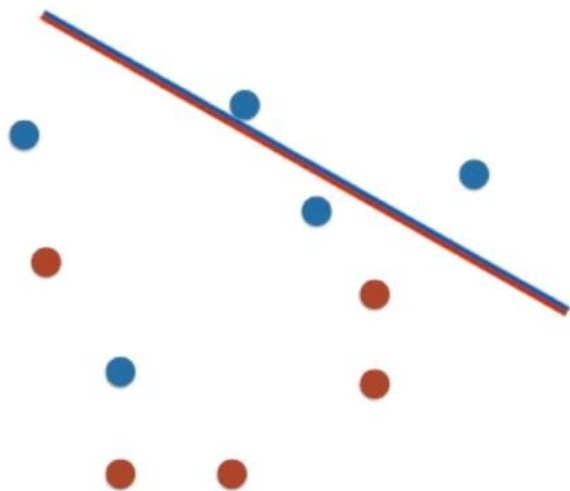
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4
6	4	3



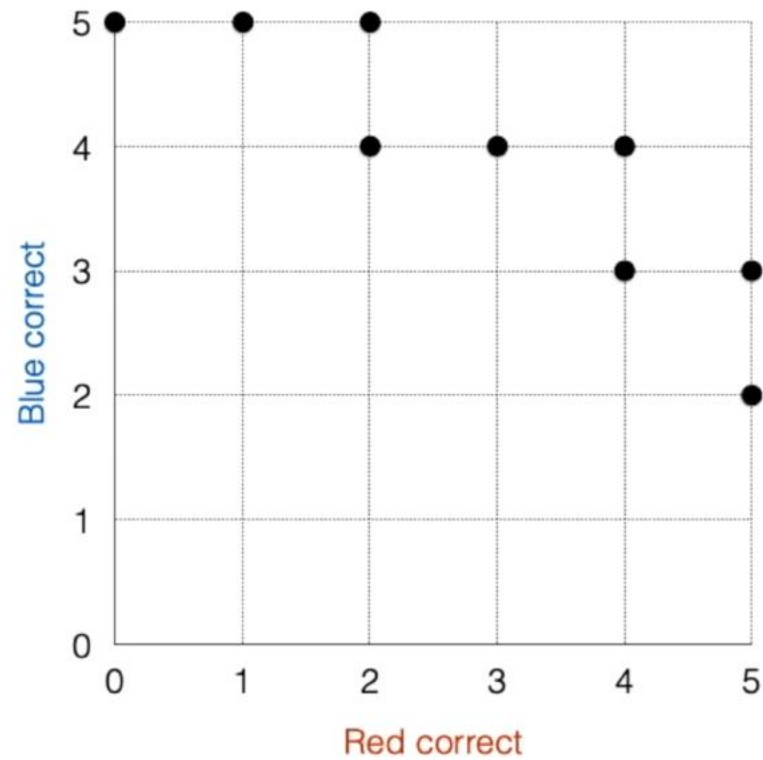


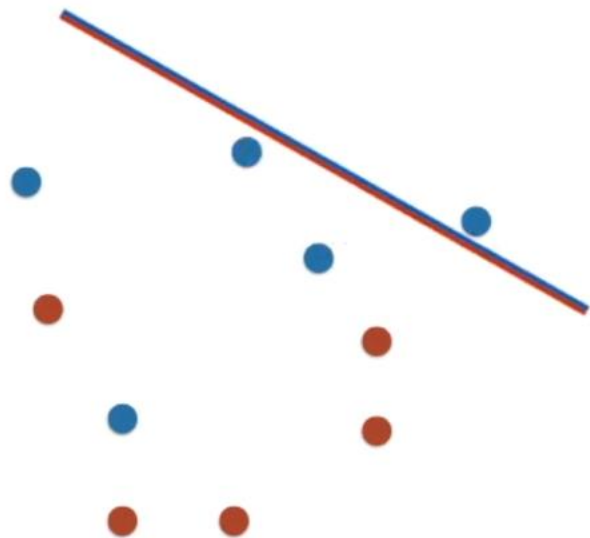
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4
6	4	3
7	5	3



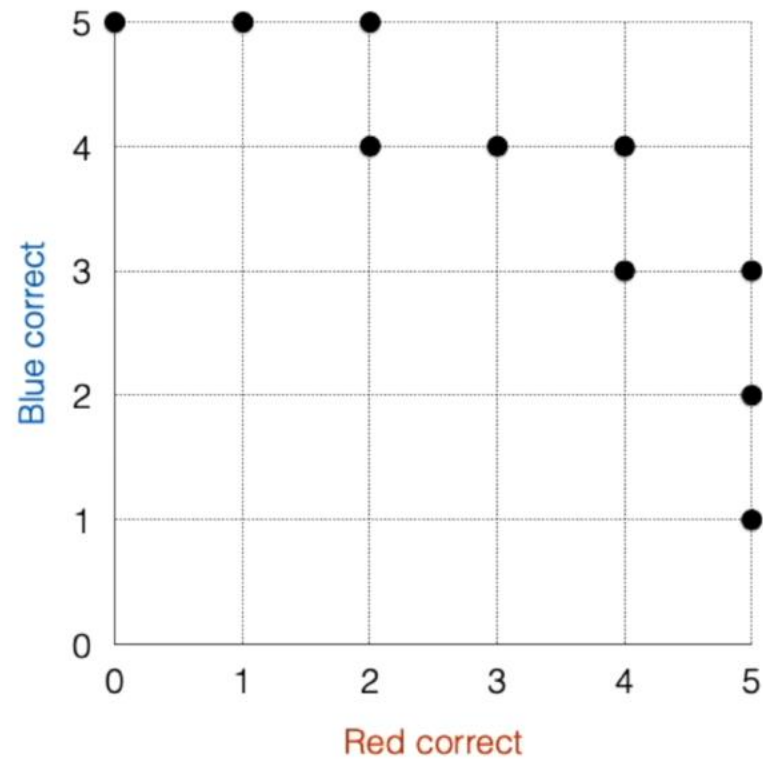


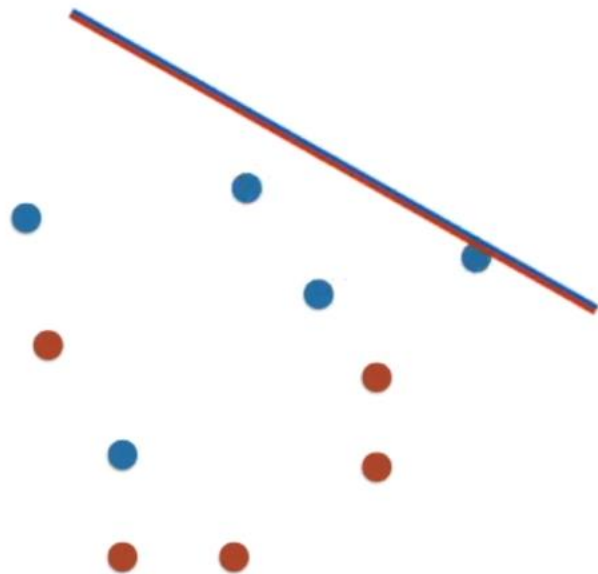
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4
6	4	3
7	5	3
8	5	2



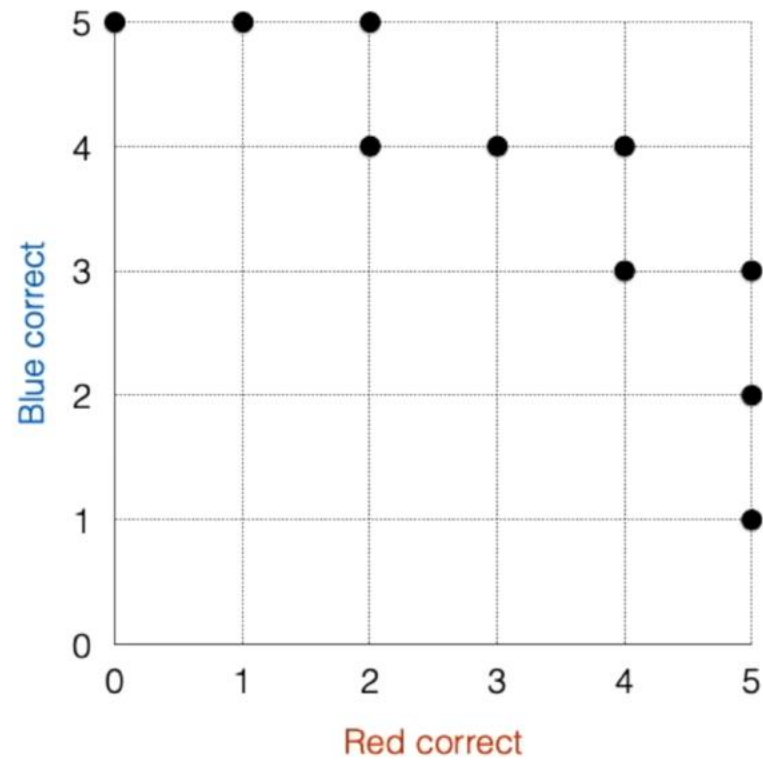


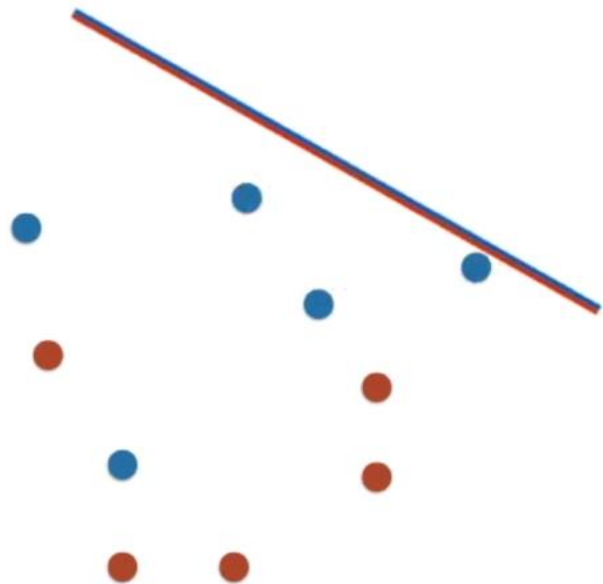
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4
6	4	3
7	5	3
8	5	2
9	5	1



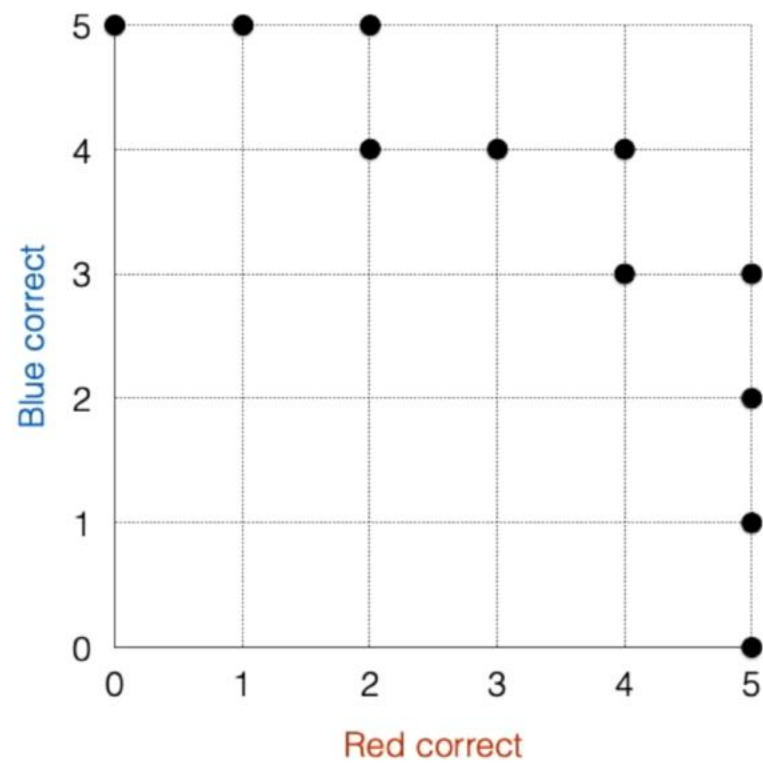


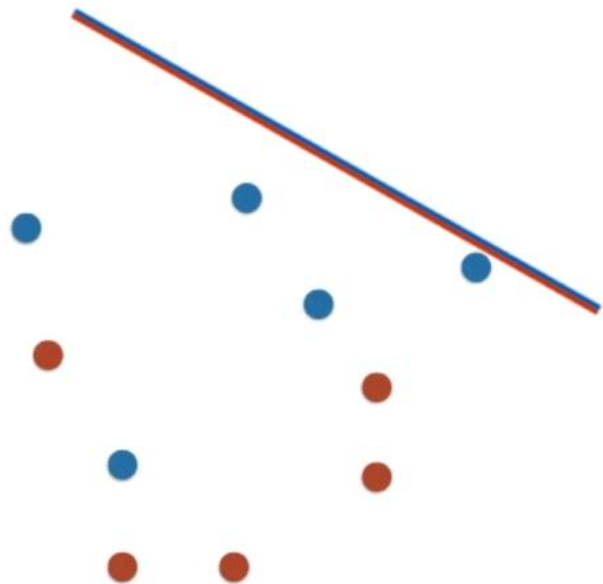
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4
6	4	3
7	5	3
8	5	2
9	5	1



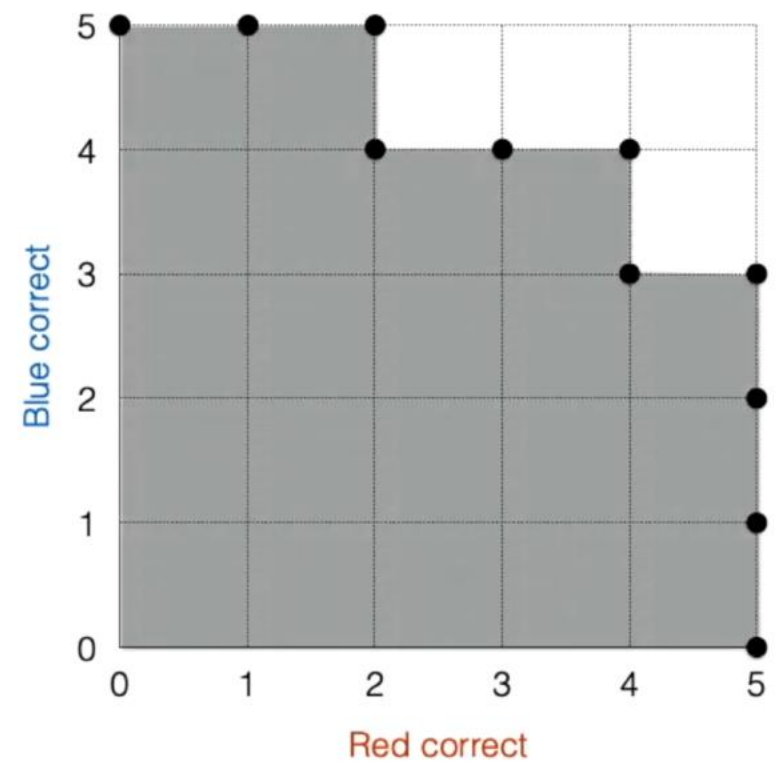


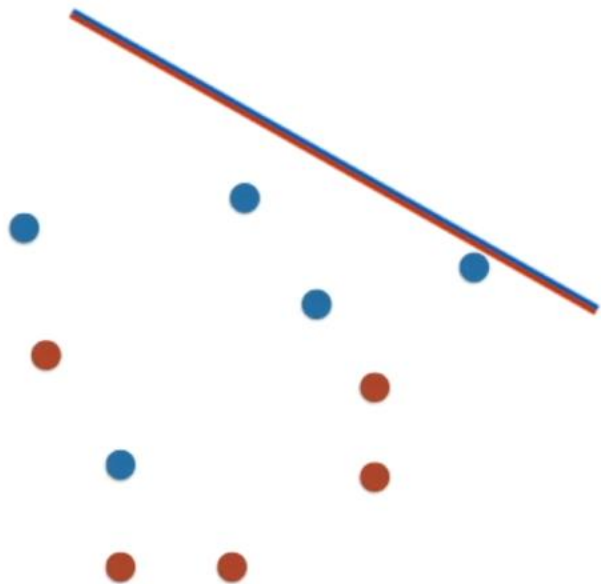
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4
6	4	3
7	5	3
8	5	2
9	5	1
10	5	0



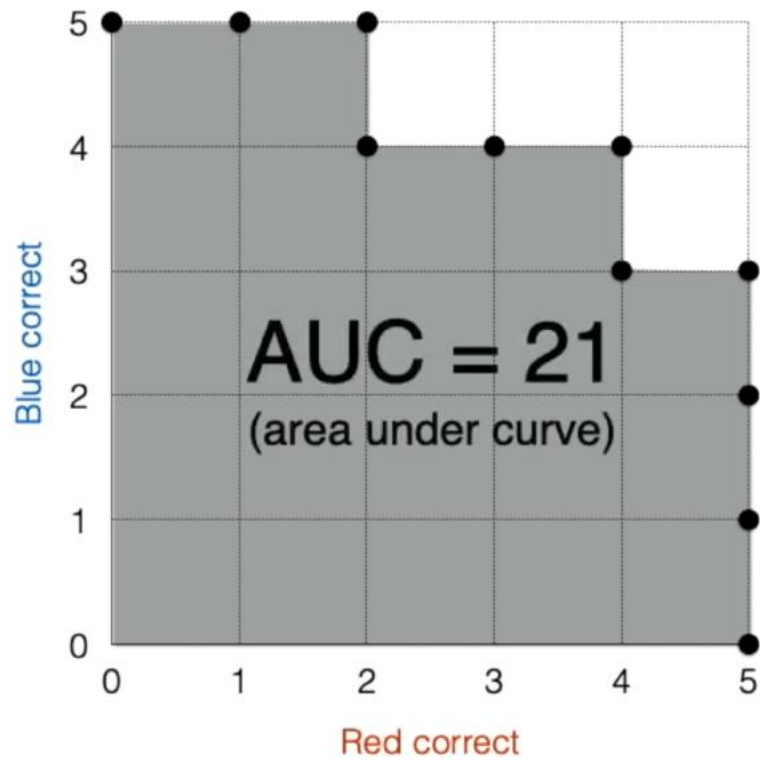


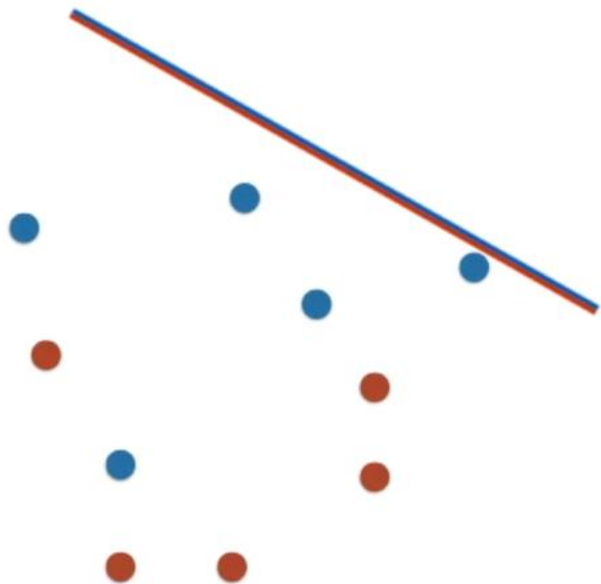
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4
6	4	3
7	5	3
8	5	2
9	5	1
10	5	0



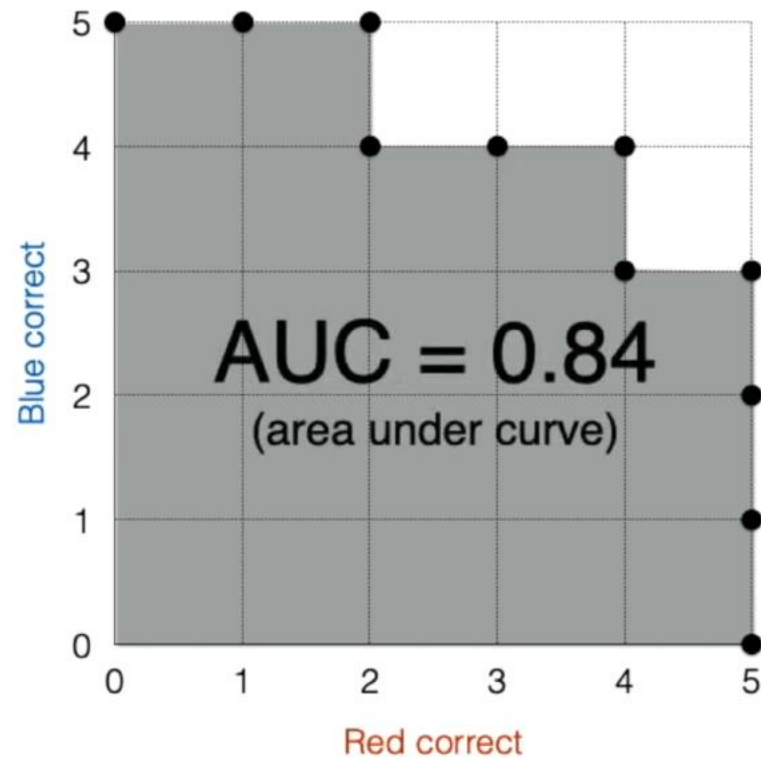


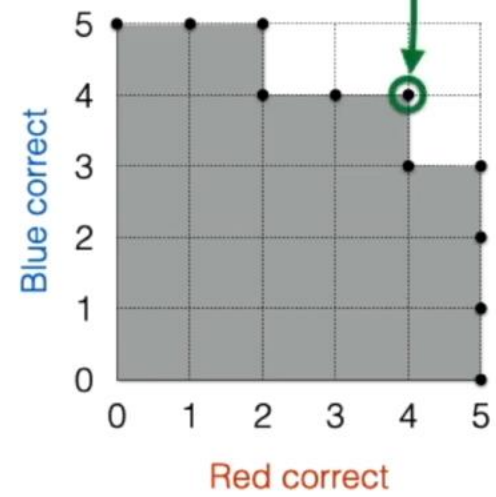
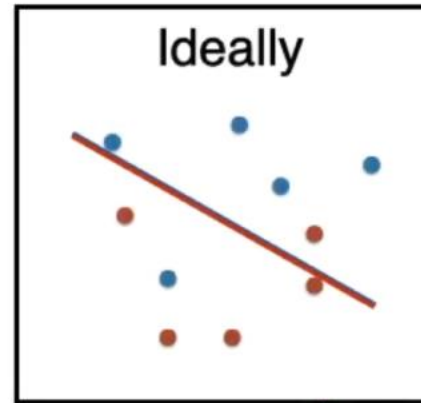
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4
6	4	3
7	5	3
8	5	2
9	5	1
10	5	0

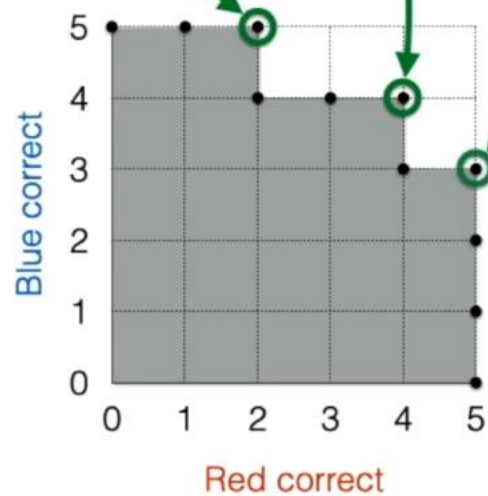
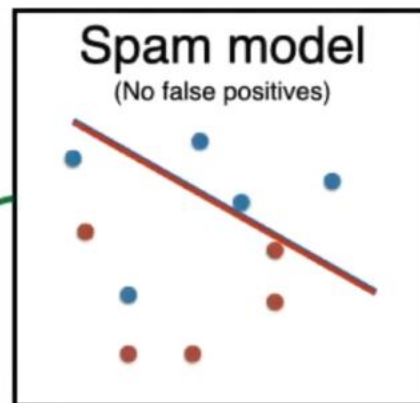
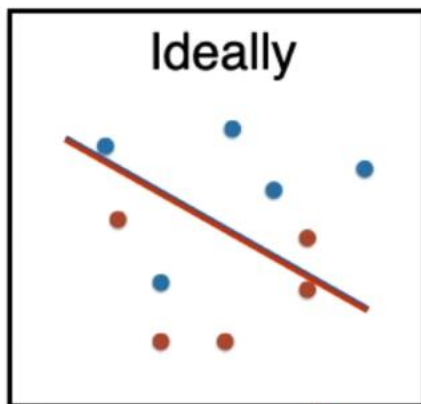
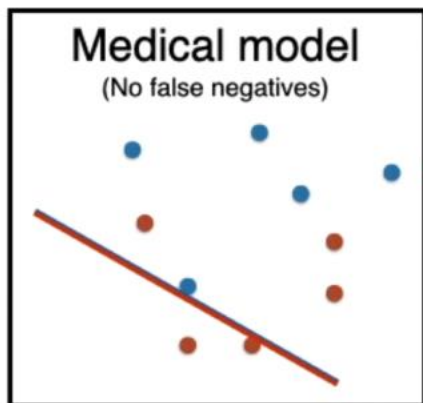


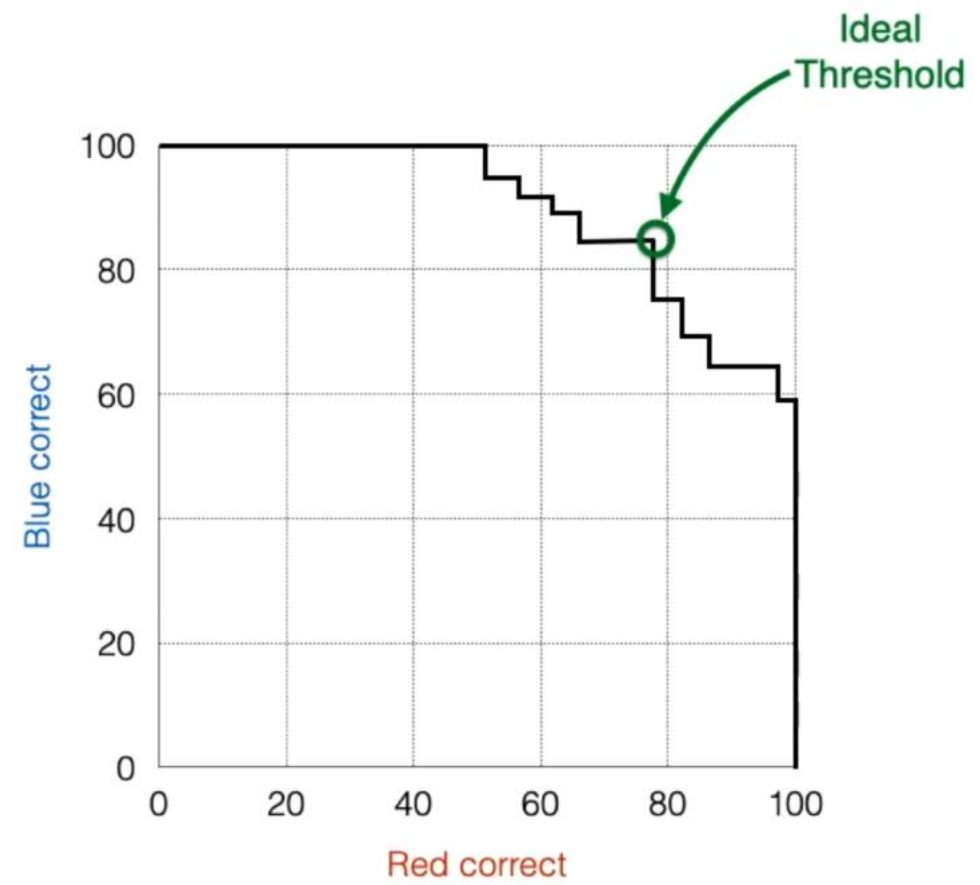
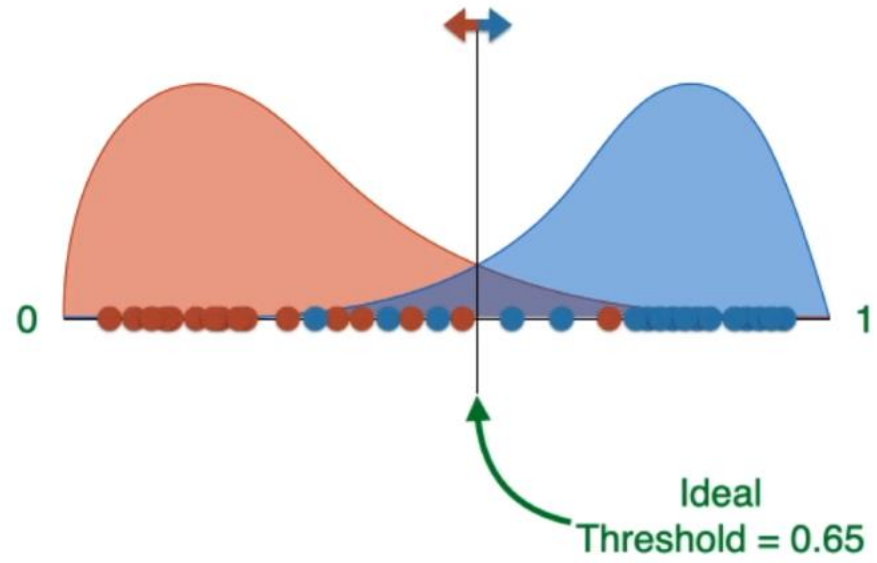


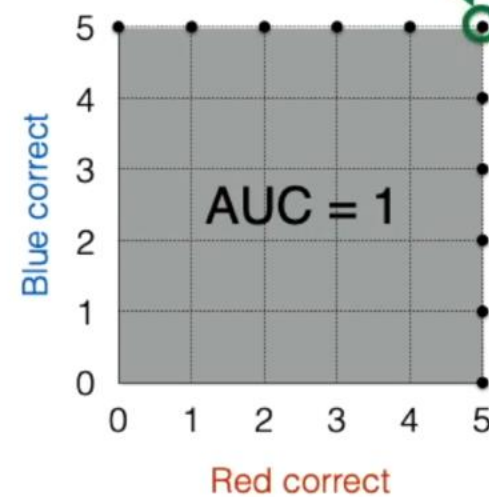
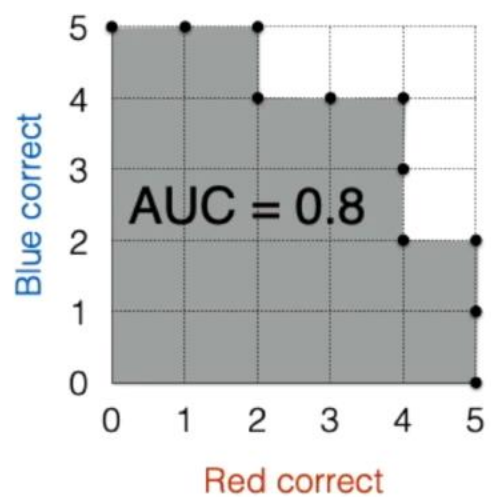
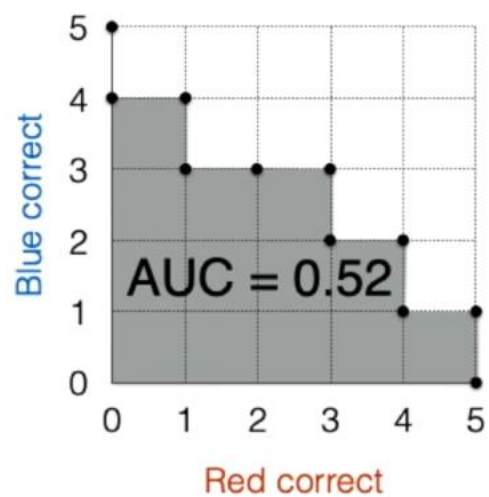
Step	Correct	Correct
0	0	5
1	1	5
2	2	5
3	2	4
4	3	4
5	4	4
6	4	3
7	5	3
8	5	2
9	5	1
10	5	0



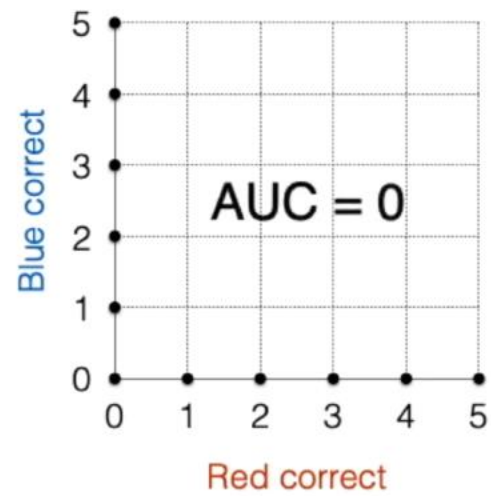
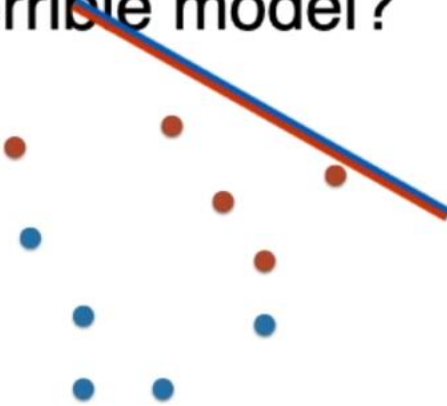








Terrible model?



Thank you!