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# Receiver Operating Characteristic

## ROC

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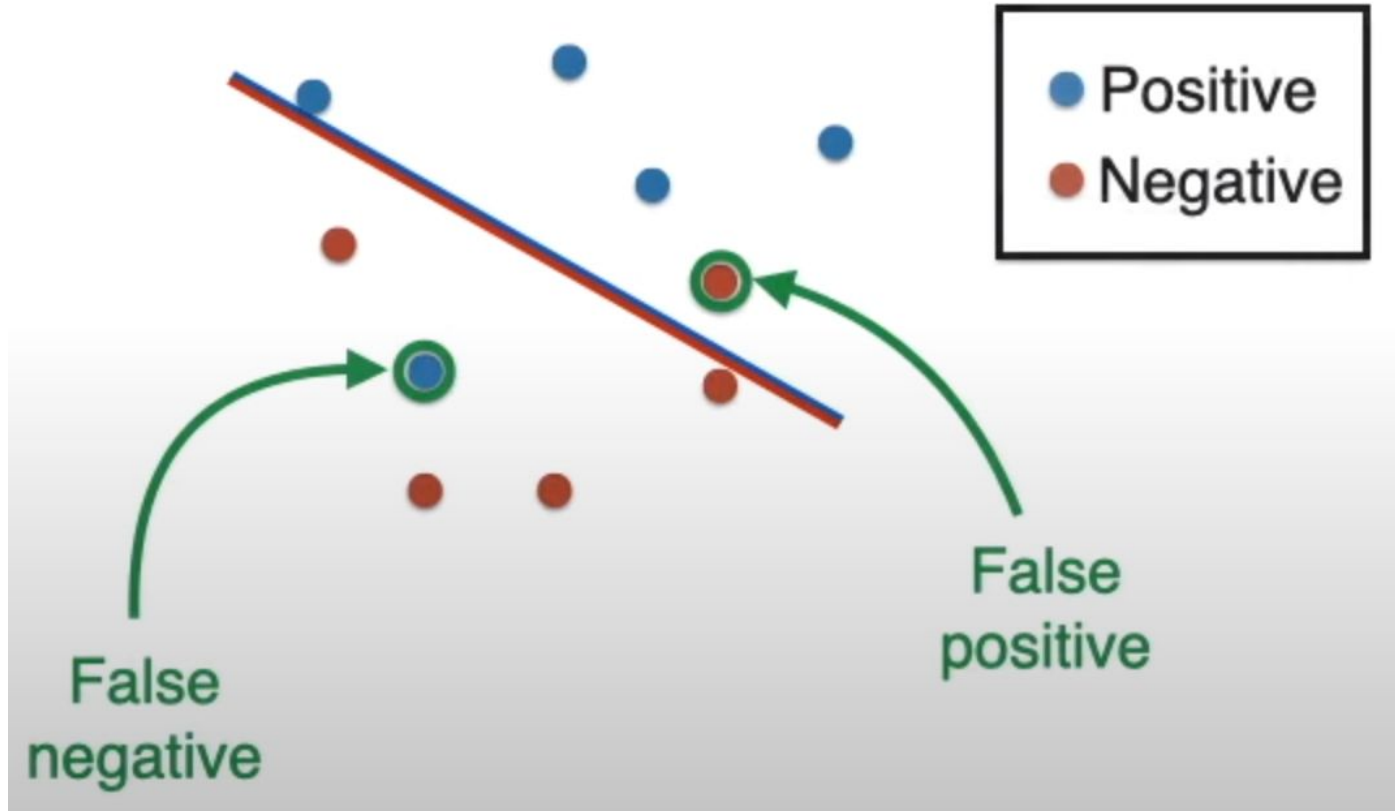
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**Prof. Dr. Fazlul Hasan Siddiqui**

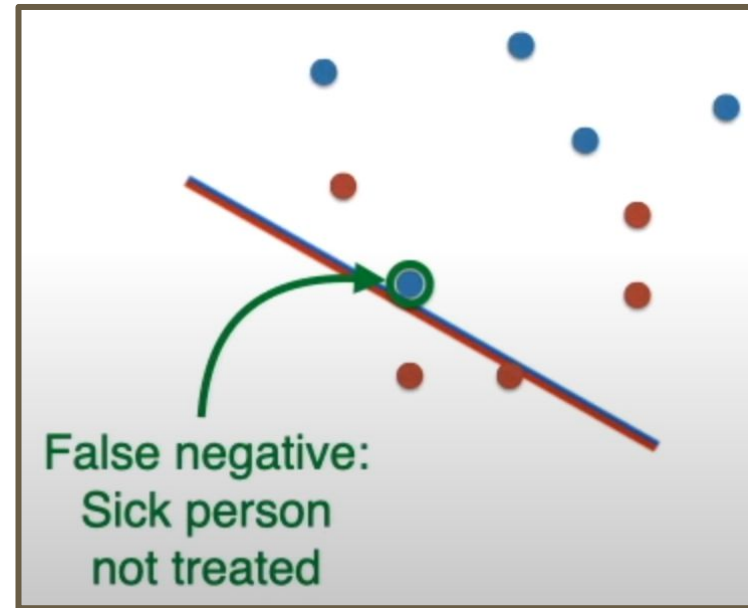
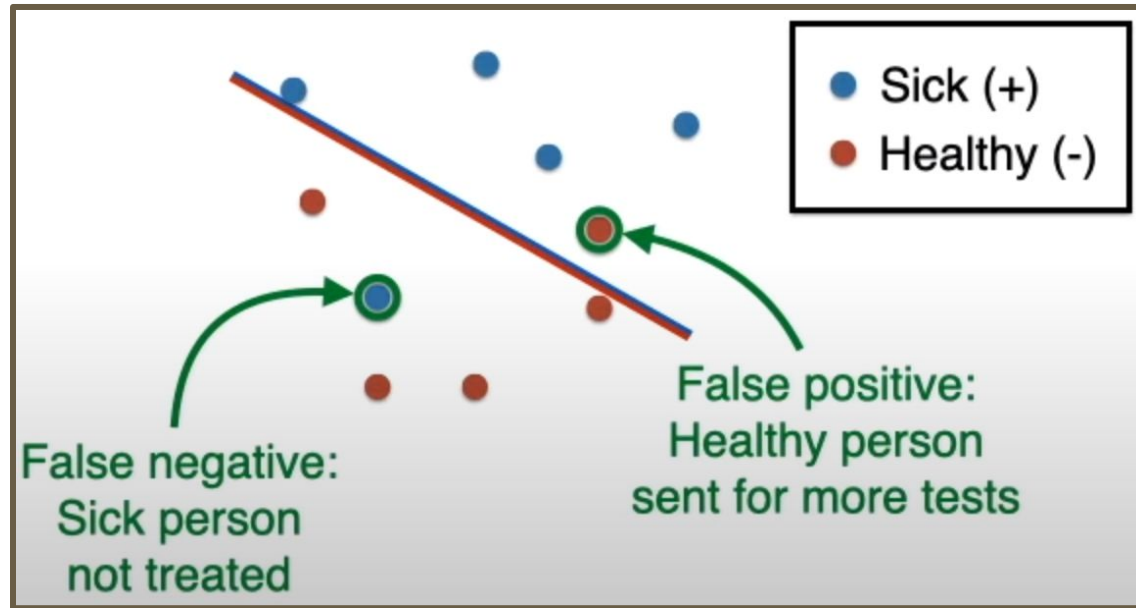
**Office:** DUET | **Education:** BSc: IUT; MSc: BUET; PhD: ANU

**Source:** <https://youtu.be/z5qA9qZMyw0> | Serrano Academy

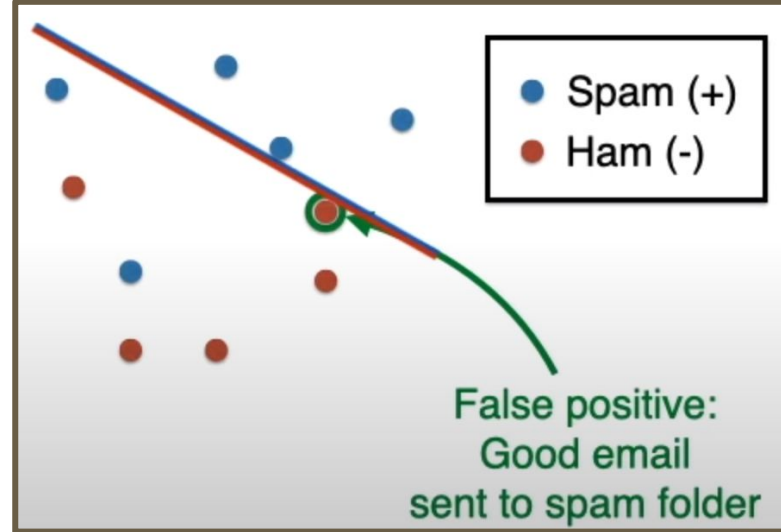
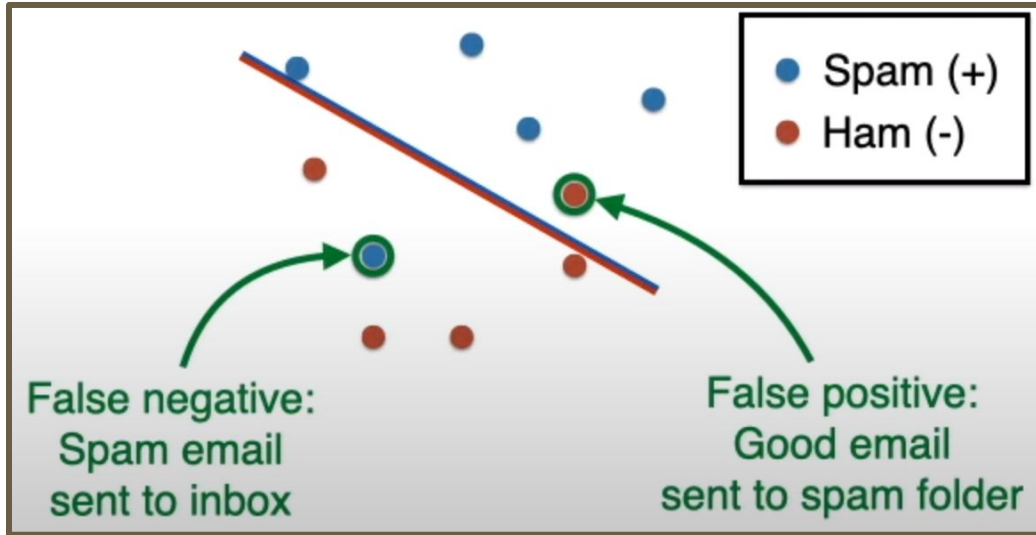
# FP vs FN



# FP vs FN – Medical Model

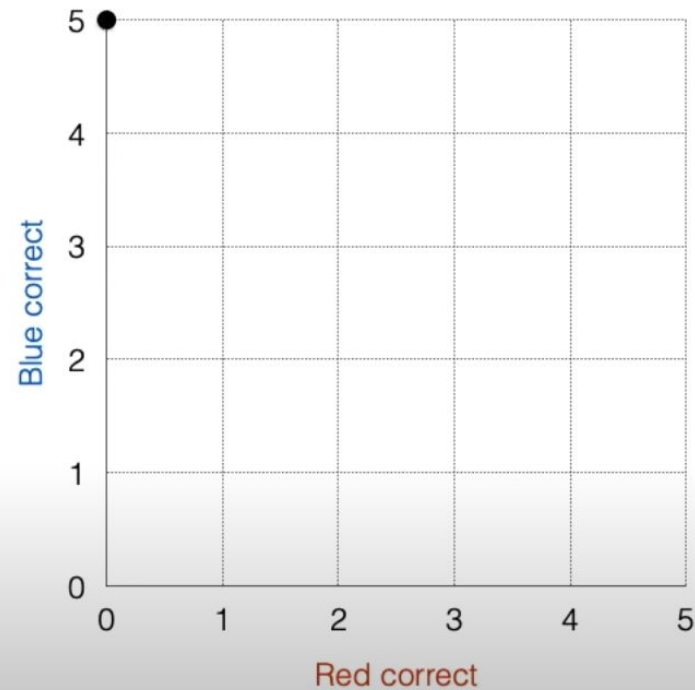
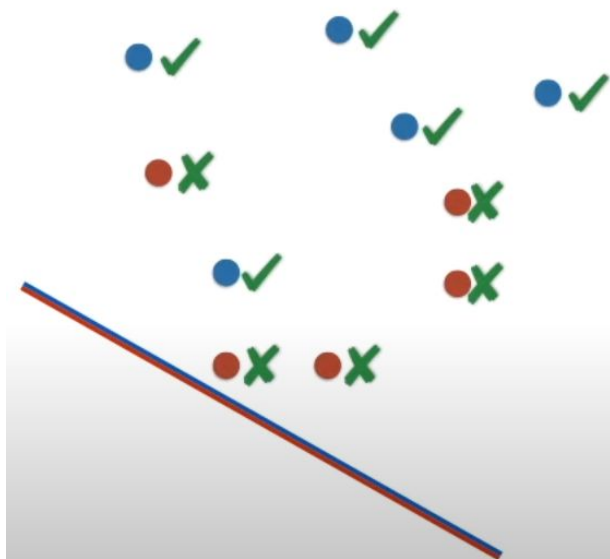


# FP vs FN – Spam Model



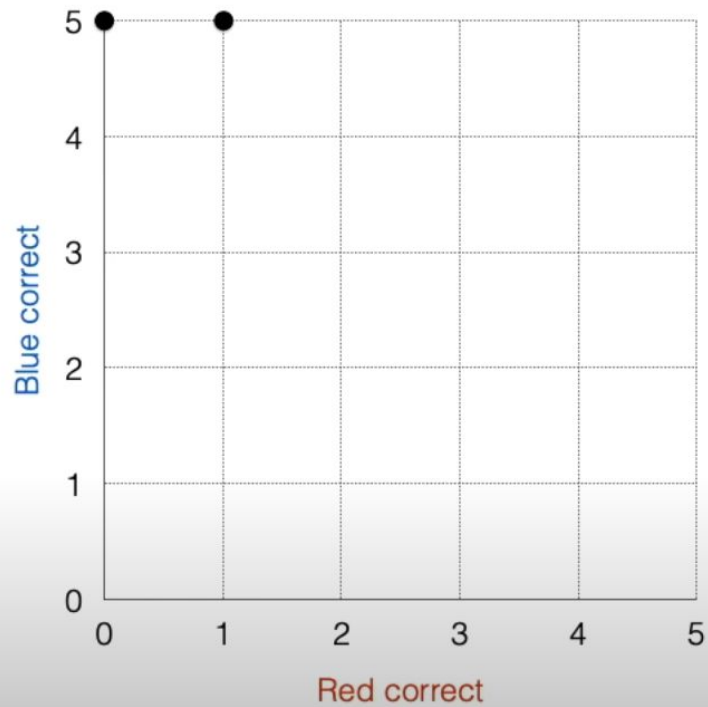
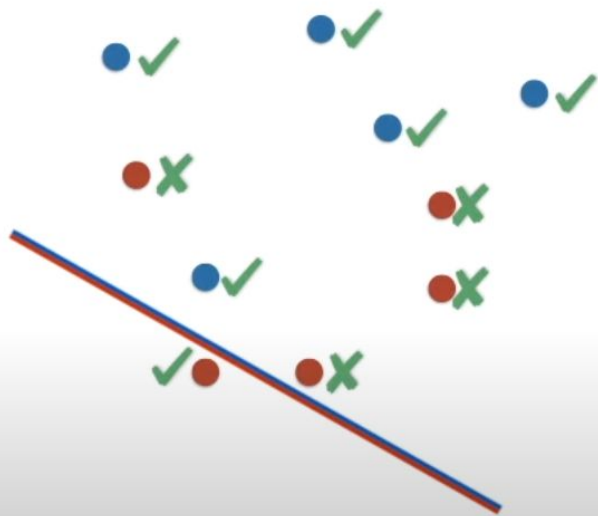
# ROC

Step	Correct	Correct
0	0	5

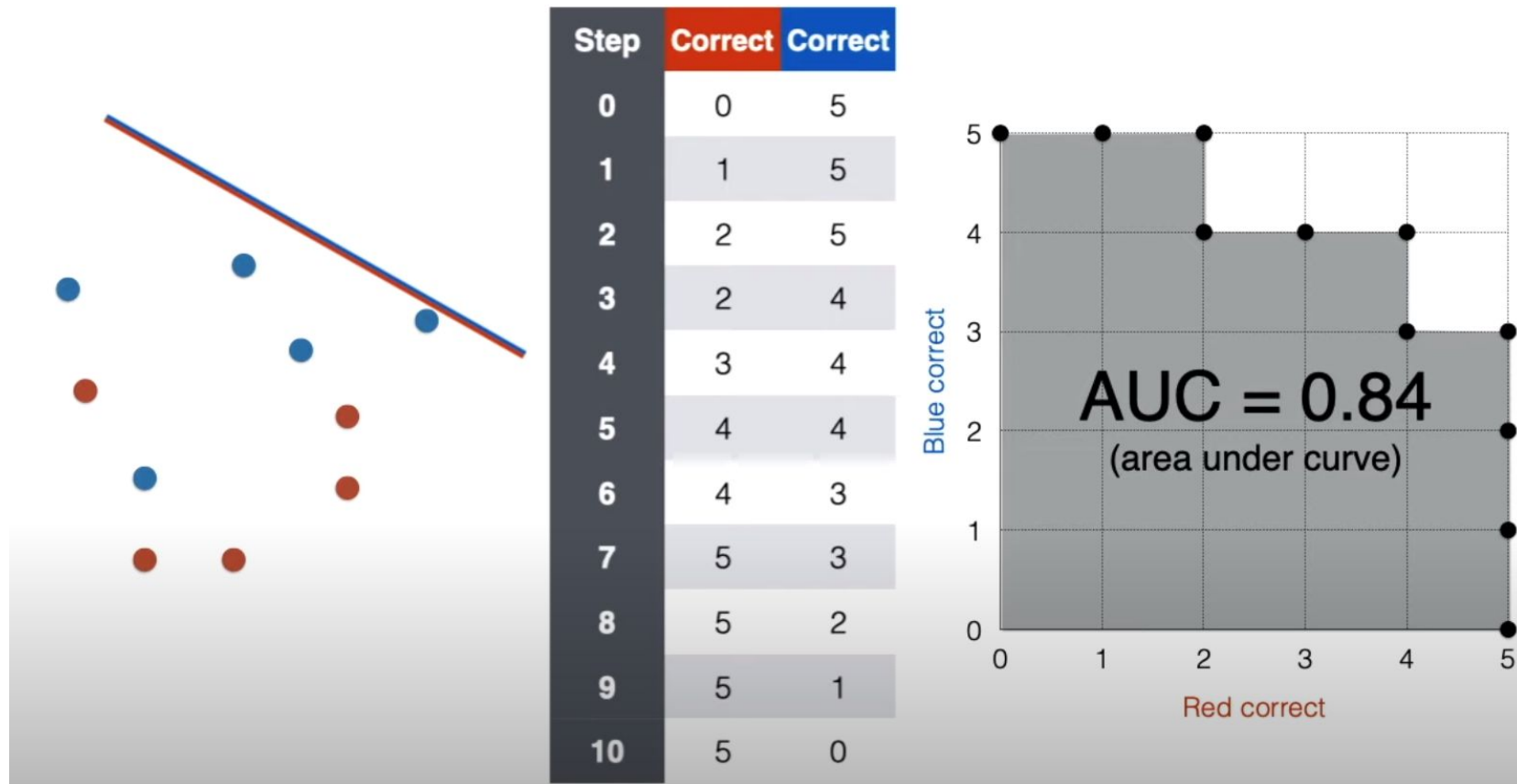


# ROC

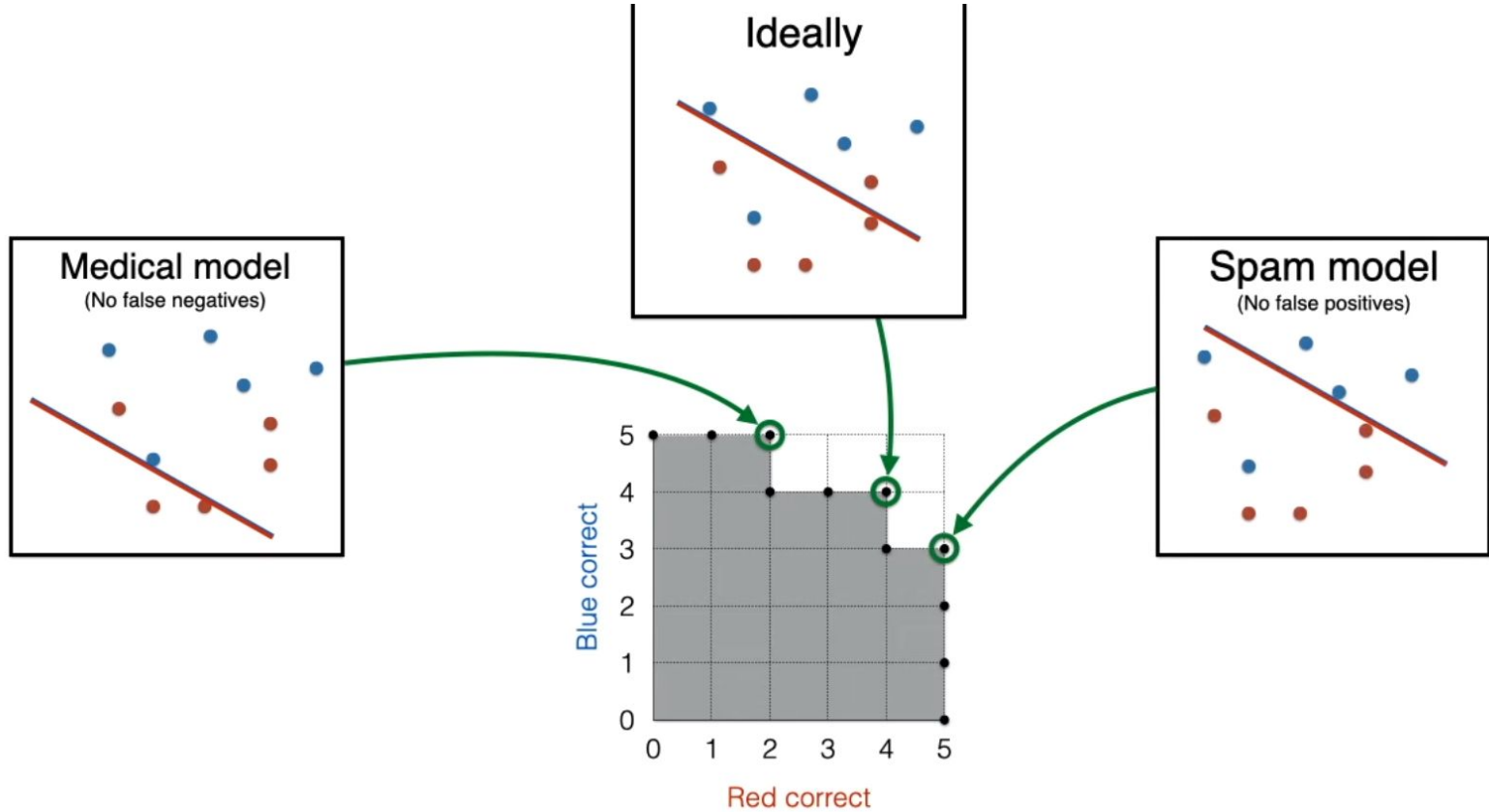
Step	Correct	Correct
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1	1	5



# ROC

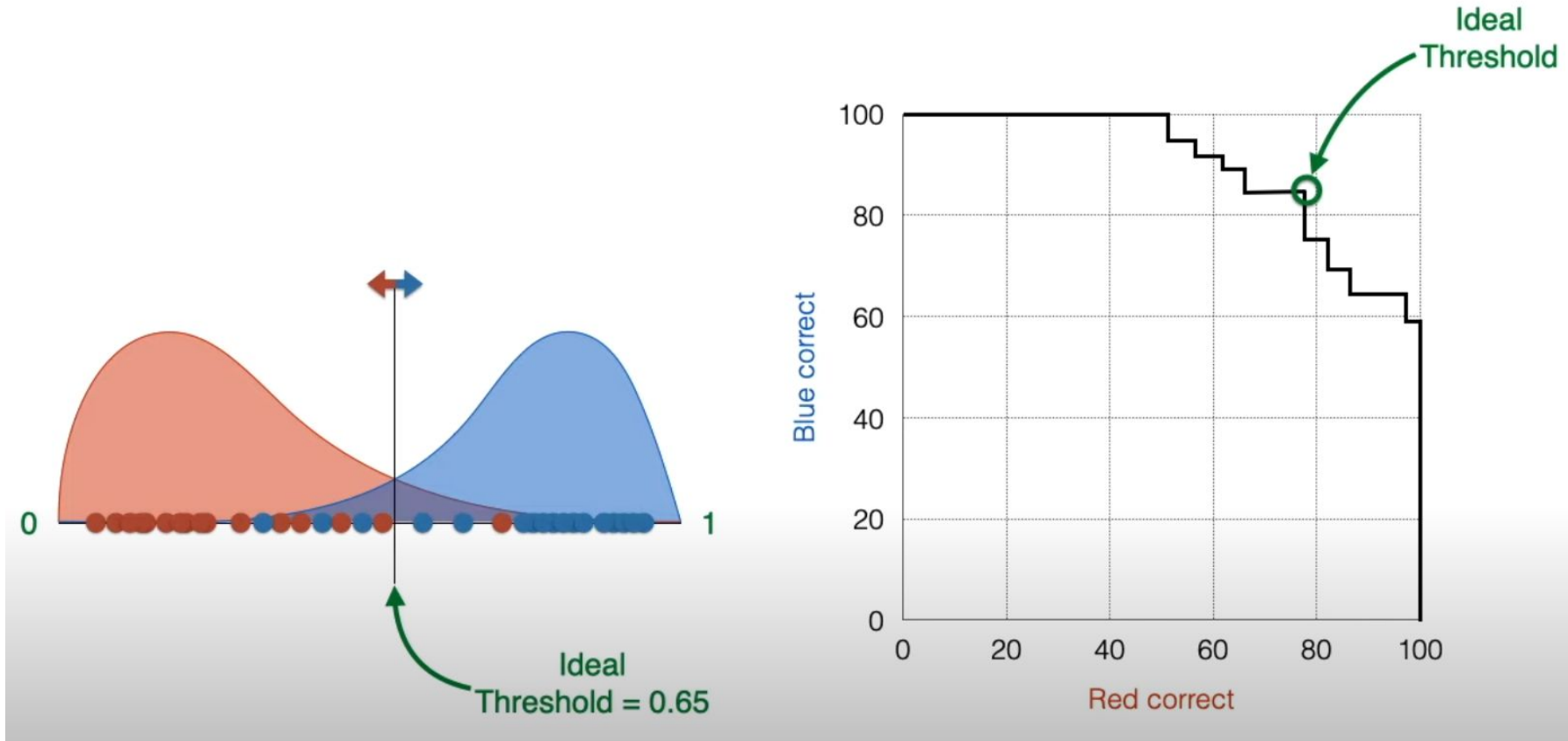


# ROC

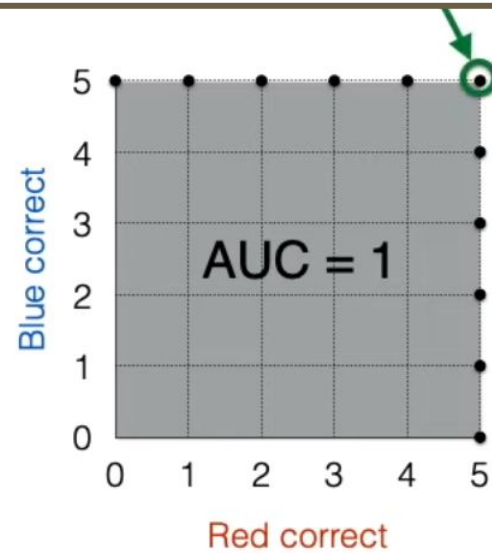
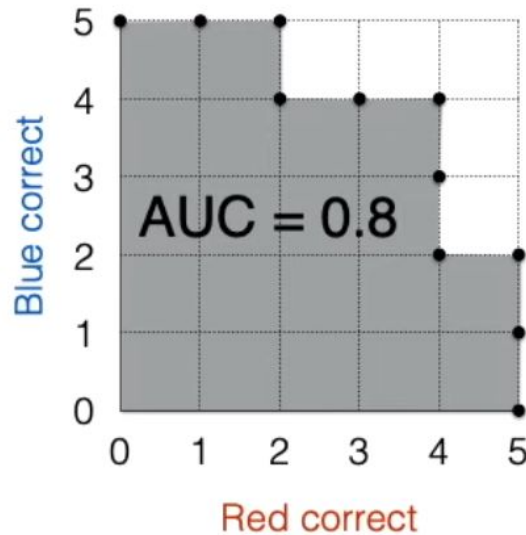
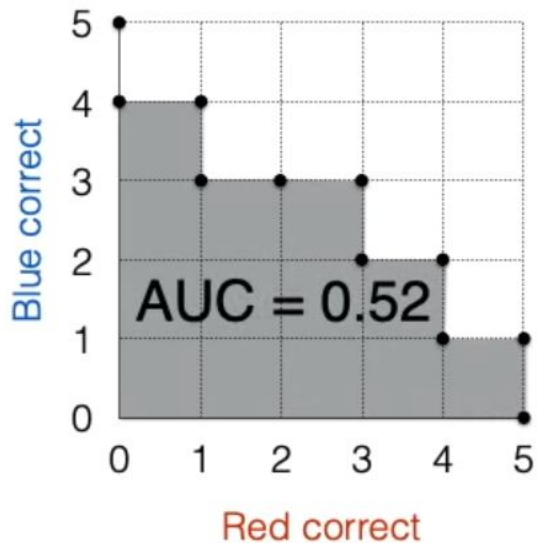
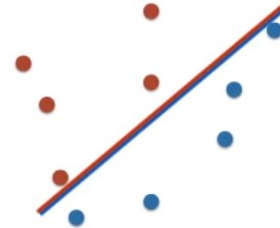
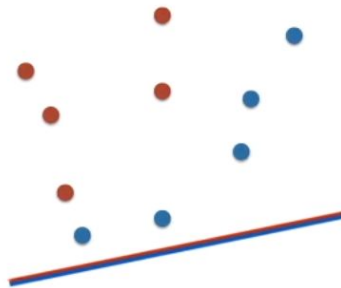
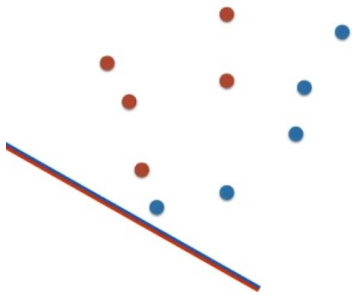




# ROC



# ROC



# ROC – Terrible Model vs Best Model

