Machine Learning Algorithm Analysis for the Diagnosis of Breast Cancer

1 in 8 women are diagnosed with breast cancer

Methodology

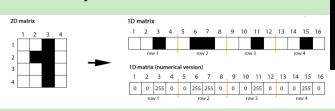
- Machine learning can implement general functions by learning from data
- ML has enormous potential in medicine

<u>Ideas</u>

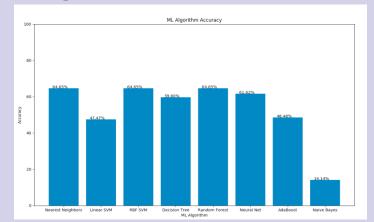
Which machine learning algorithms produce the greatest accuracy for the diagnosis of breast cancer?

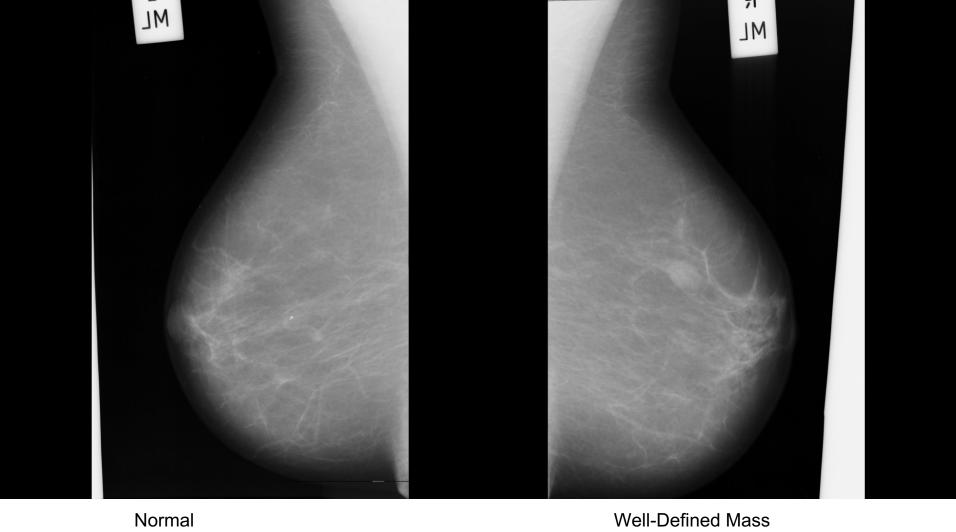
Read literature

- 2. Find dataset
- 3. Preprocess data
- Create classifiers
- 5. Optimize classifiers
- 6. Analyze results



Findings

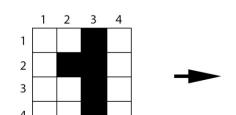




Methodology



2D matrix



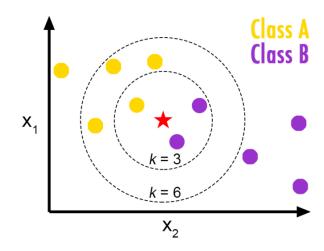


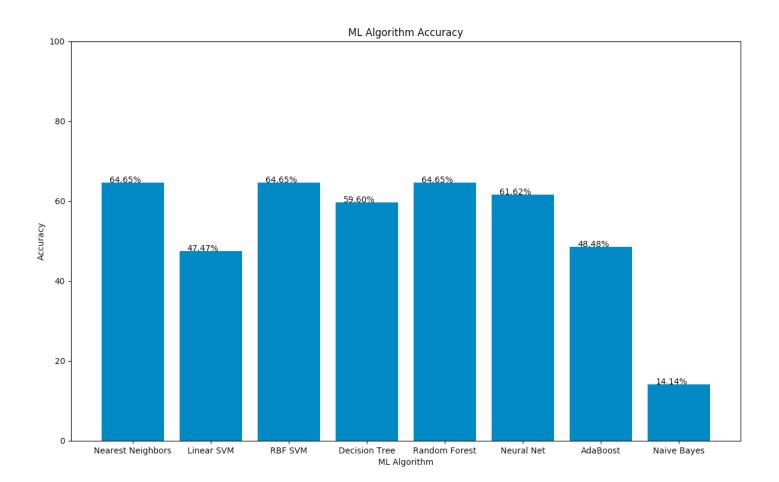
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
row 1				row 2					rov	v 3		row 4			

1D matrix (numerical version)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0	0	255	0	0	255	255	0	0	0	255	0	0	0	255	0
	rov	v 1		row 2				row 3				row 4			







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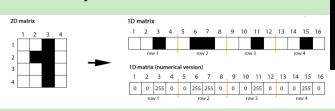
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