

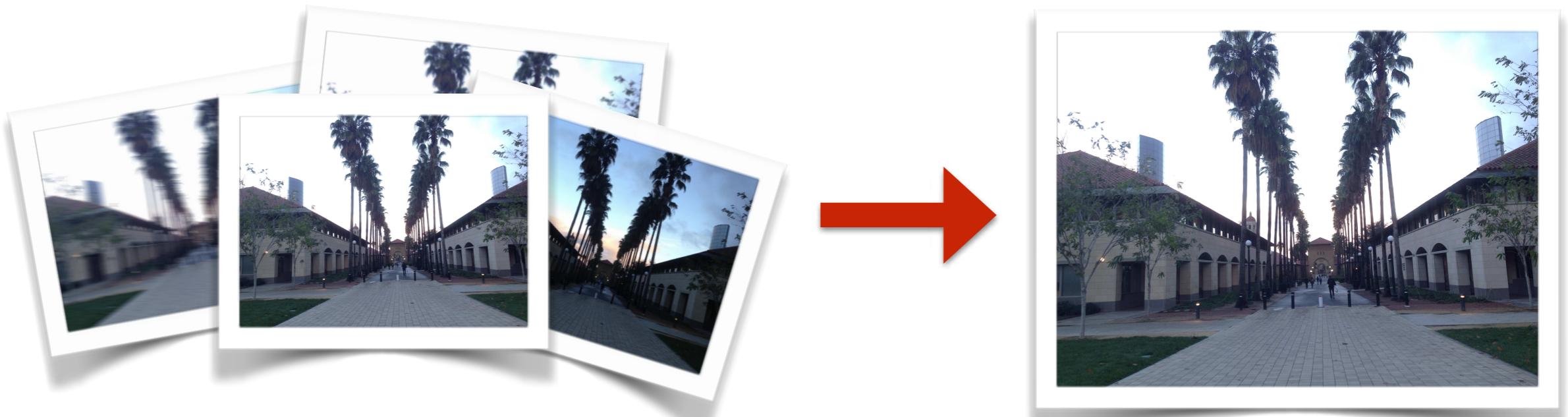
Violet

Optimal Image Selector

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Motivation

Choosing the optimal image is a **time consuming process**



Multiple images of the
same scene

Optimal image

Solution: **Automate** the process!

Dataset

CERTH dataset

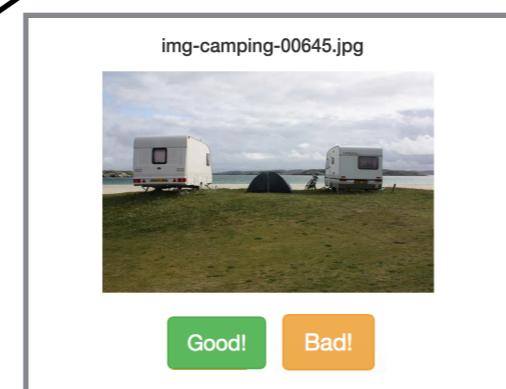


~3000 images

ImageNet



Annotator



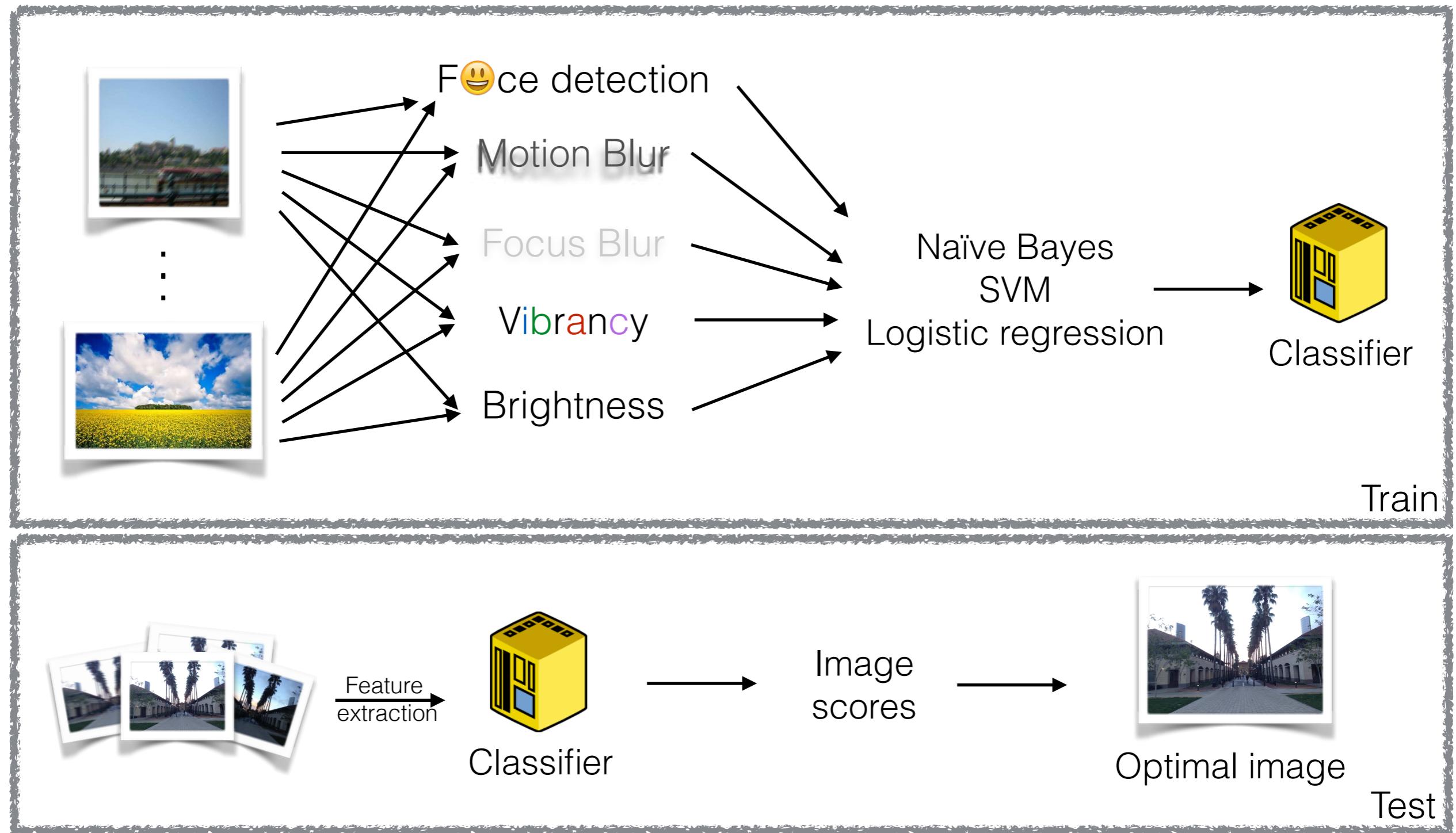
Good Images



Bad images



Implementation

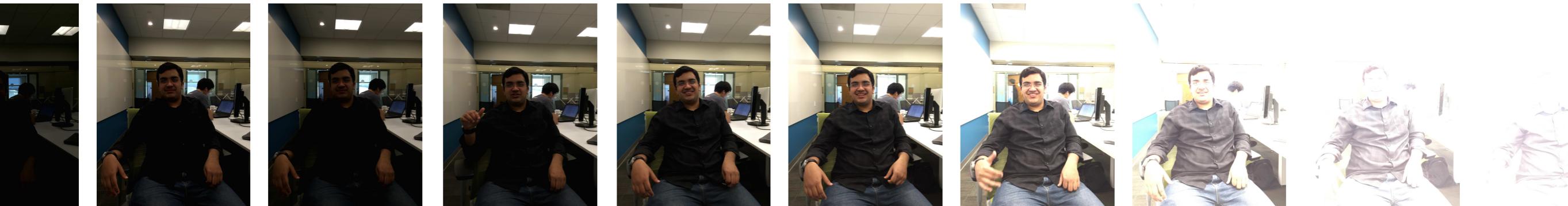


Results

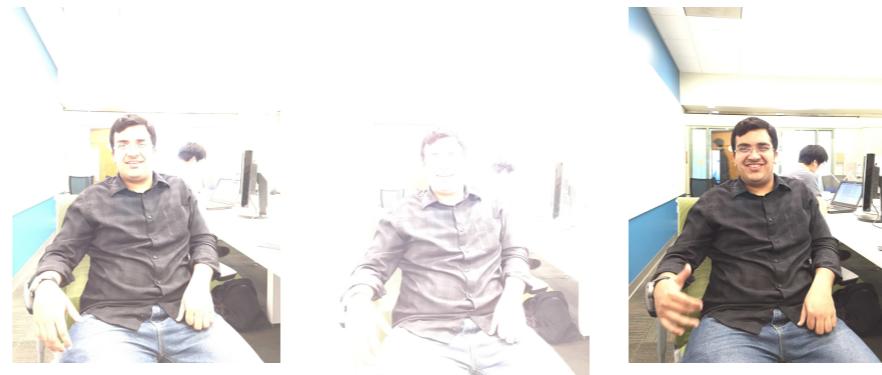
Strategy	Baseline		SVM		
Scores	Bad	Good	Bad	Good	
Scores	Precision	0.64	0.57	Precision	0.88
	Recall	0.80	0.36	Recall	0.64
	F1	0.71	0.44	F1	0.74
Features used	<ul style="list-style-type: none">• Brightness• Blurriness		<ul style="list-style-type: none">• Brightness• Blurriness• Reflection• Vibrancy		

Results

Input

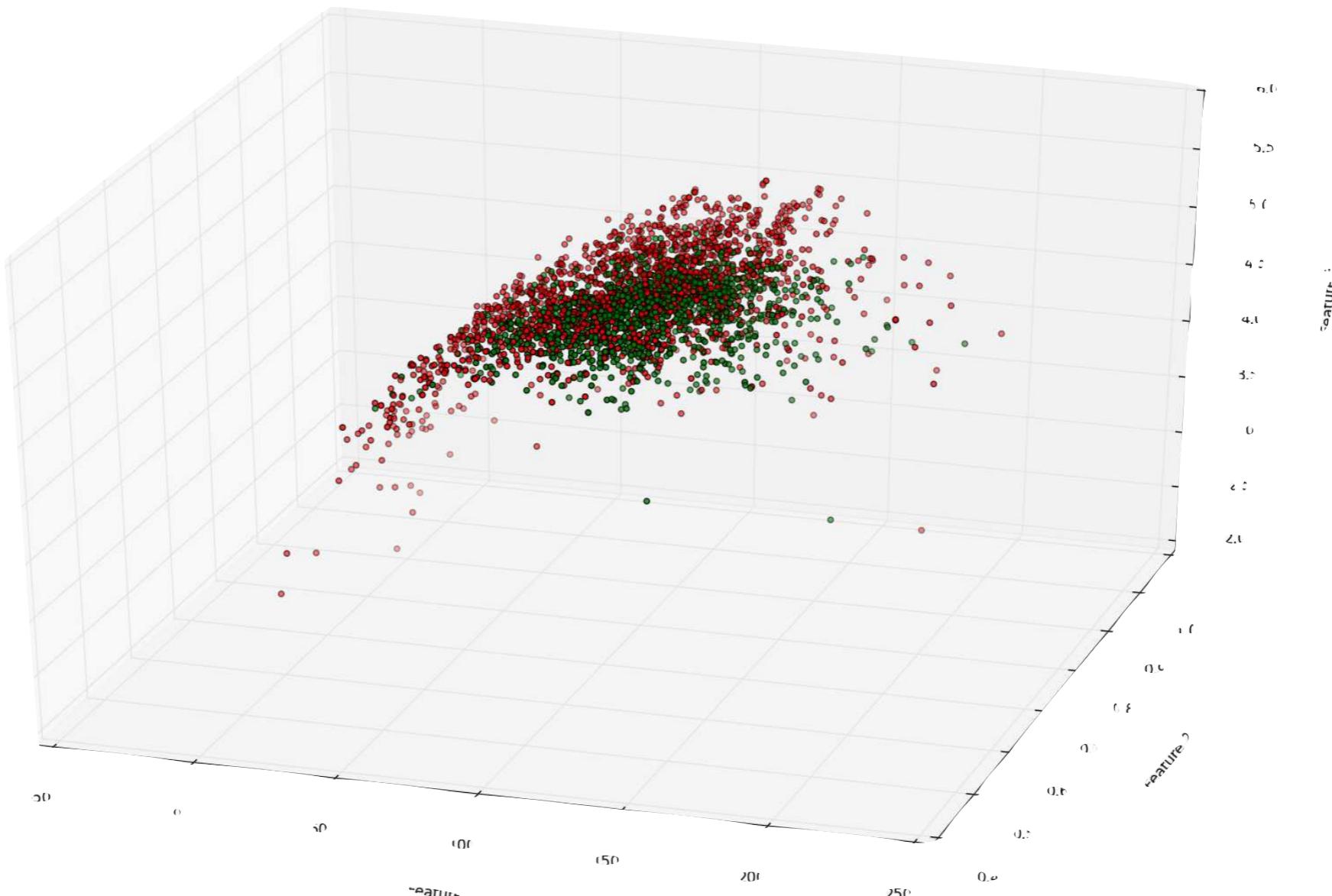


Output



Insight: Some features are not linearly separable

Results



Insight: Need more discriminating data

Questions?