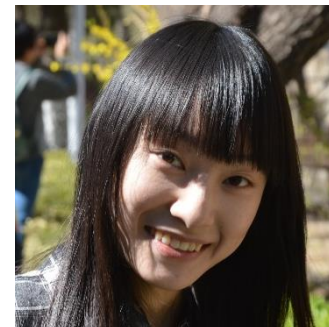


Sketch-a-Classifier: Sketch-based photo classifier generation

Conghui Hu



Train



**Model
Regression
Network**



Is this a photo of dog?



Test



**Trained Model
Regression
Network**

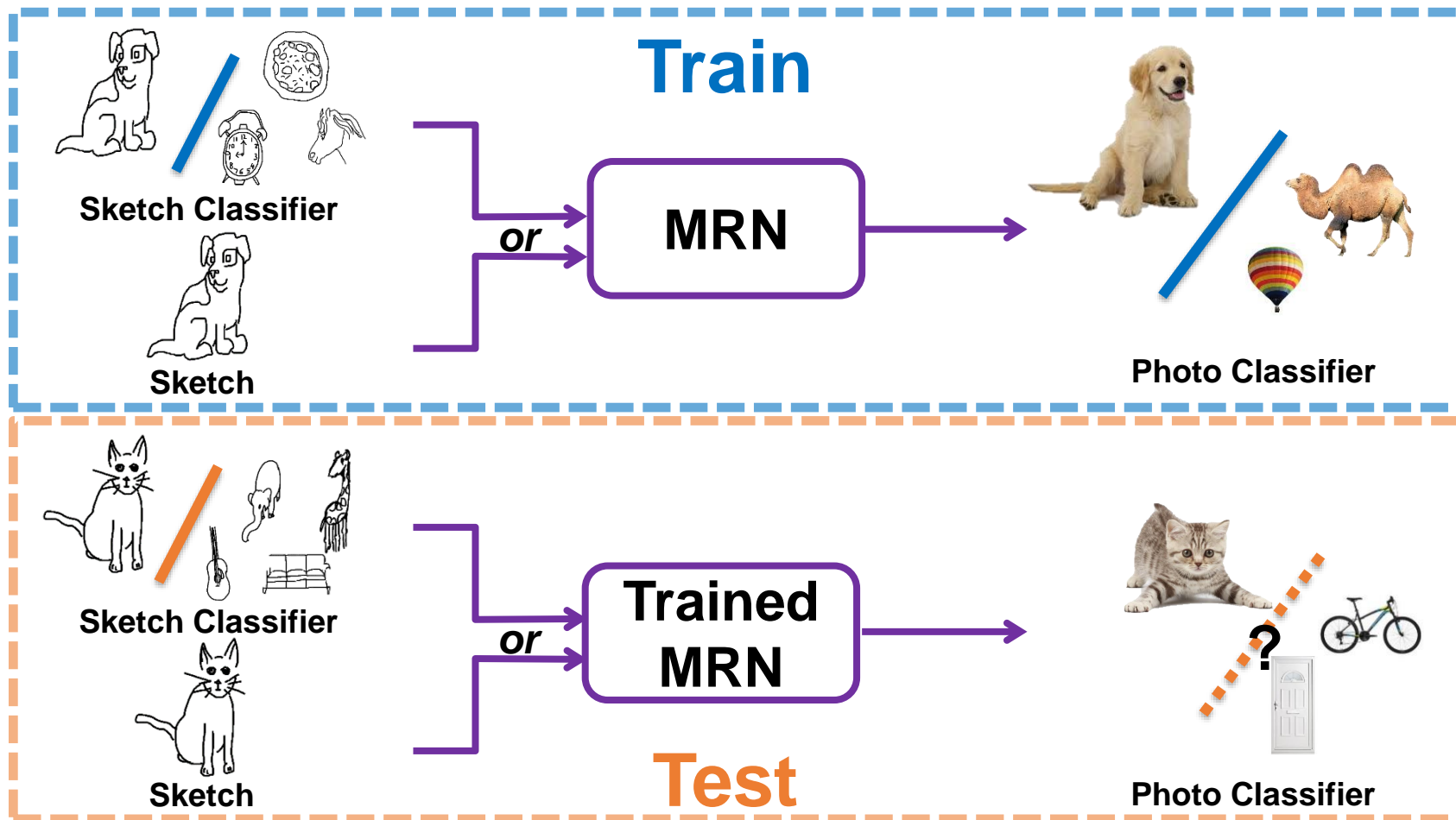


Is this a photo of cat?
Photo Classifier



Photo Classifier

Sketch-a-Classifier

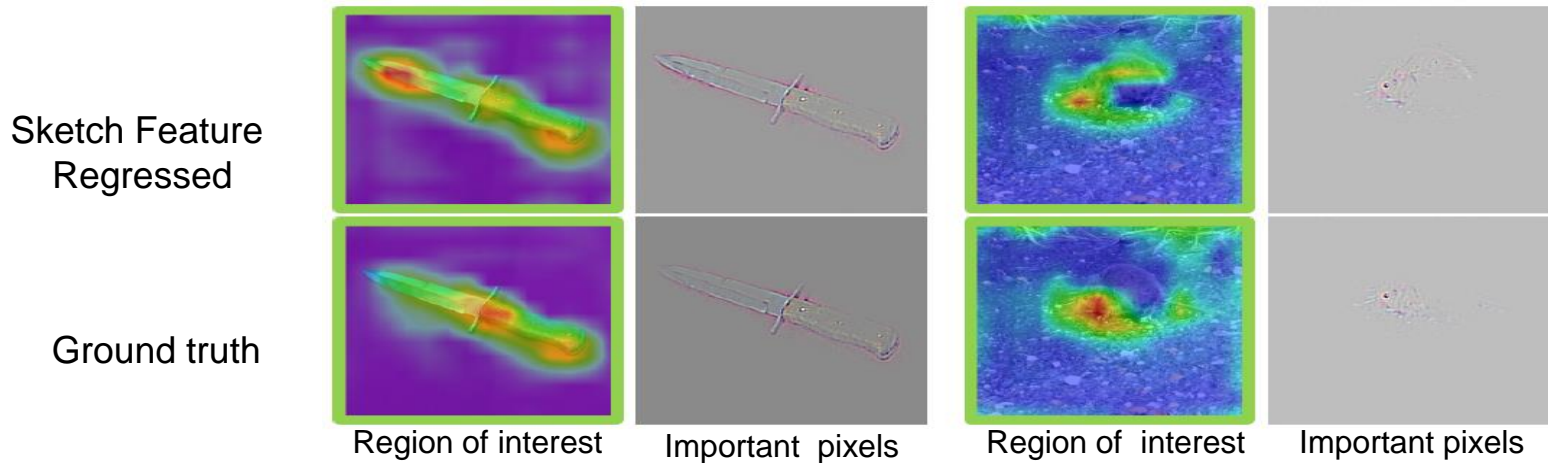


Results

- Results

	car	pear	deer	couch	duck	airplane	cat	mouse	seagull	knife	mAP(%)
Bottom10	85.9	89.8	84.0	91.6	93.4	73.8	82.2	84.1	81.4	89.3	85.6
Middle 10	96.4	94.3	98.5	96.9	95.6	97.9	87.9	89.1	73.1	96.6	92.6
Top10	100	96.2	99.6	98.2	94.7	99.9	93.3	94.5	85.5	97.1	95.9

- Visualization



Sketch-a-Classifier: Sketch-based photo classifier generation

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