TRANSFER LEARNING

Uses pre-trained deep neural networks to solve new image classification tasks.

BETTER ACCURACY
Leveraging professionally trained models leads to higher accuracy

SAVES DEVELOPMENT TIME
Hyperparameter and architecture changes are minimal, saving dev time

REQUIRES LESS DATA
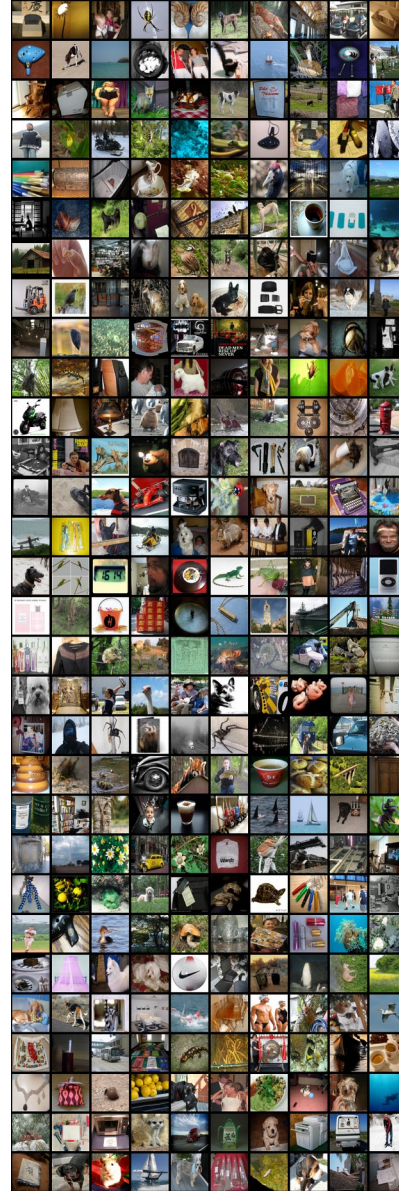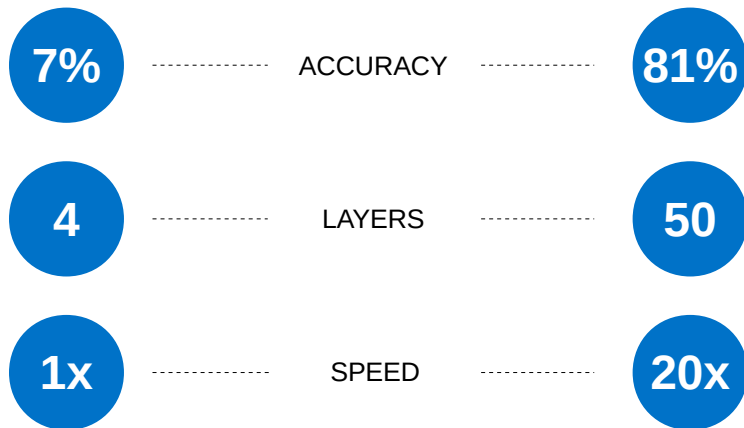Pre-trained models require less data, opening opportunity for many projects

DOG BREED IMAGE CLASSIFIER

Created an image classifier for 133 dog breeds using a data set of only 8,000 images.

FROM SCRATCH

PRE-TRAINED

FROM SCRATCH		PRE-TRAINED
7%	ACCURACY	81%
4	LAYERS	50
1x	SPEED	20x

HIGHER ACCURACY

SAVES TIME

LESS DATA