

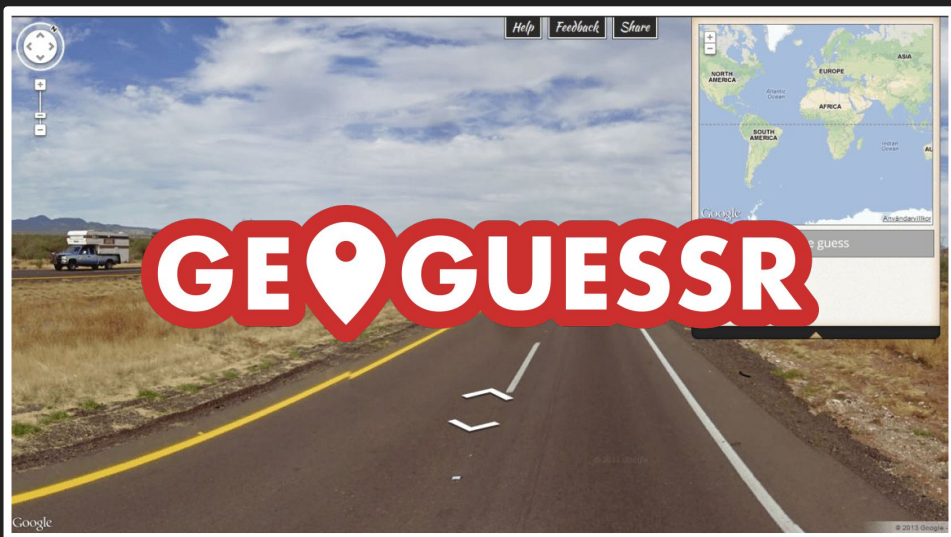
RecogNYCe

Vasileios Panousopoulos
Flor Sanders



COLUMBIA
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Introduction



**This AI is better than you at figuring out where
a street pic was taken just by looking at it**

PIGEON homes in on your geolocation

Problem Statement

RecognNYCe

How well do you know New York City?



Guess the borough!

BRONX

BROOKLYN

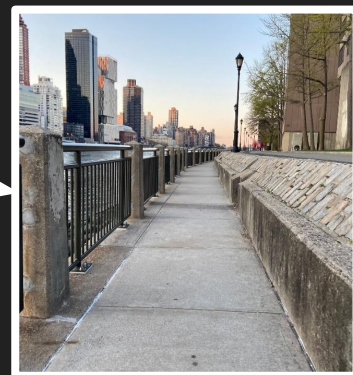
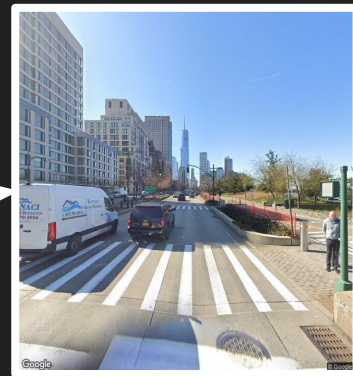
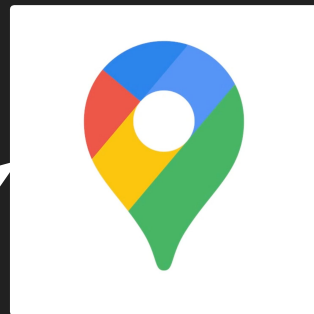
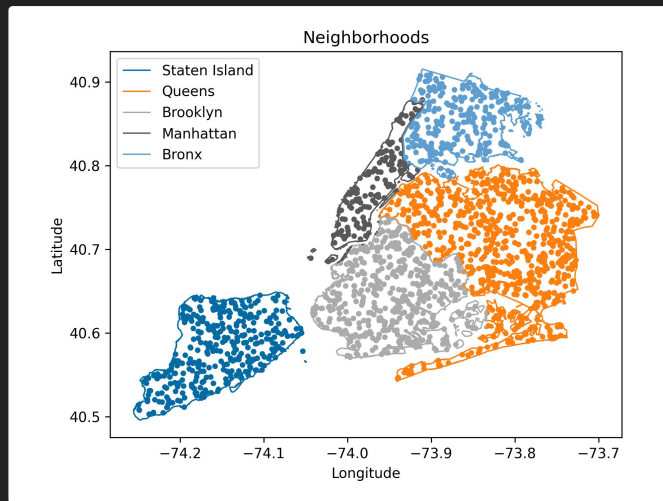
MANHATTAN

QUEENS

STATEN ISLAND



Dataset



Models

ImageNet



ResNet18
ResNet50
RegNet

Places365



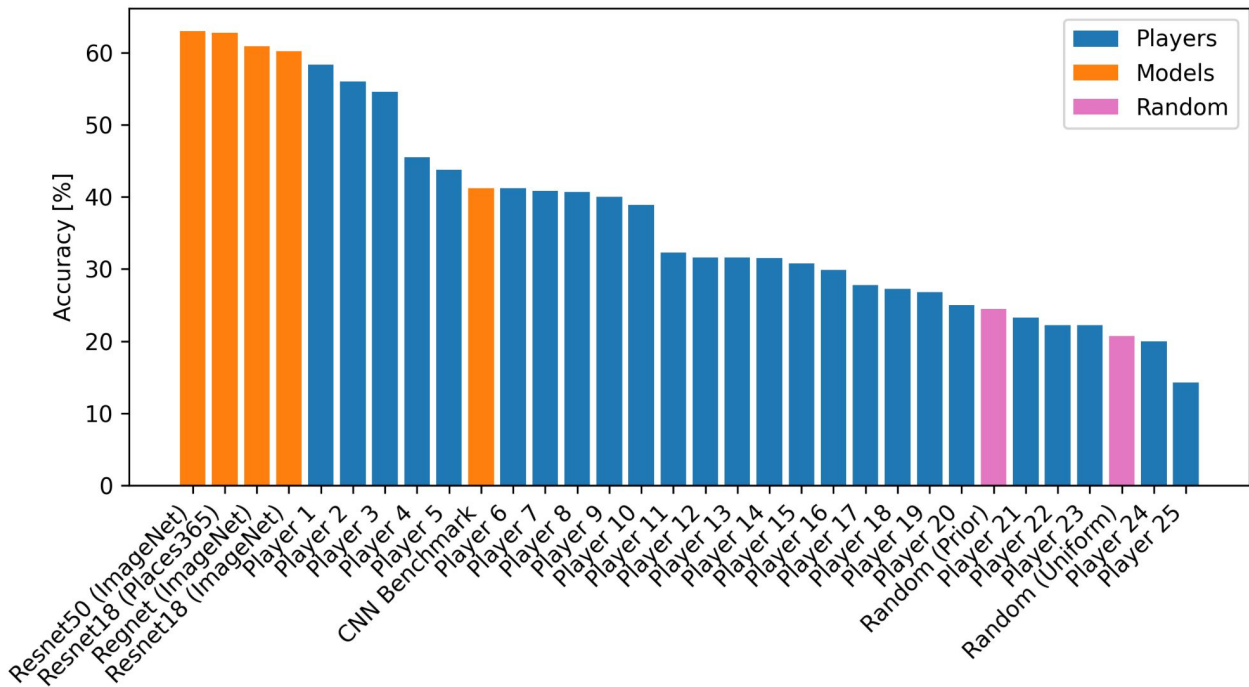
ResNet18

RecogNYCe



Benchmark CNN

Results



Results

True Label = Brooklyn
Assigned Label = Queens



True Label = Brooklyn
Assigned Label = Queens



True Label = Bronx
Assigned Label = Brooklyn



True Label = Queens
Assigned Label = Staten Island



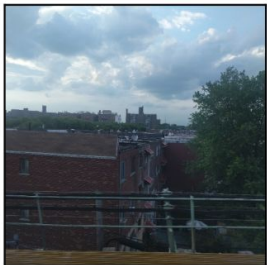
True Label = Manhattan
Assigned Label = Brooklyn



True Label = Manhattan
Assigned Label = Brooklyn



True Label = Bronx
Assigned Label = Brooklyn



True Label = Queens
Assigned Label = Manhattan



True Label = Brooklyn
Assigned Label = Queens

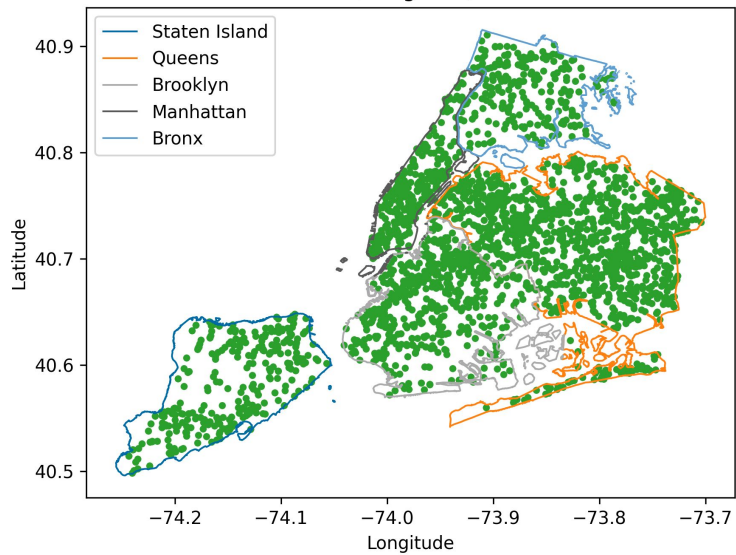


True Label = Bronx
Assigned Label = Queens

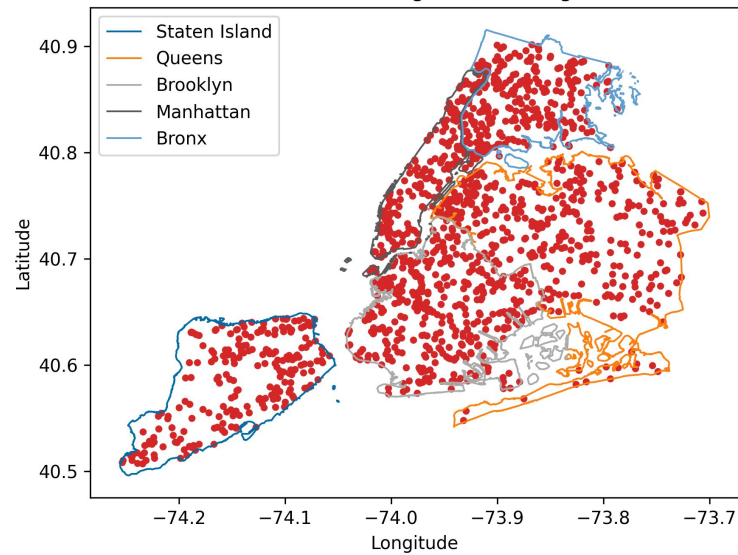


Results

Resnet50 (ImageNet) - Correct



Resnet50 (ImageNet) - Wrong



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