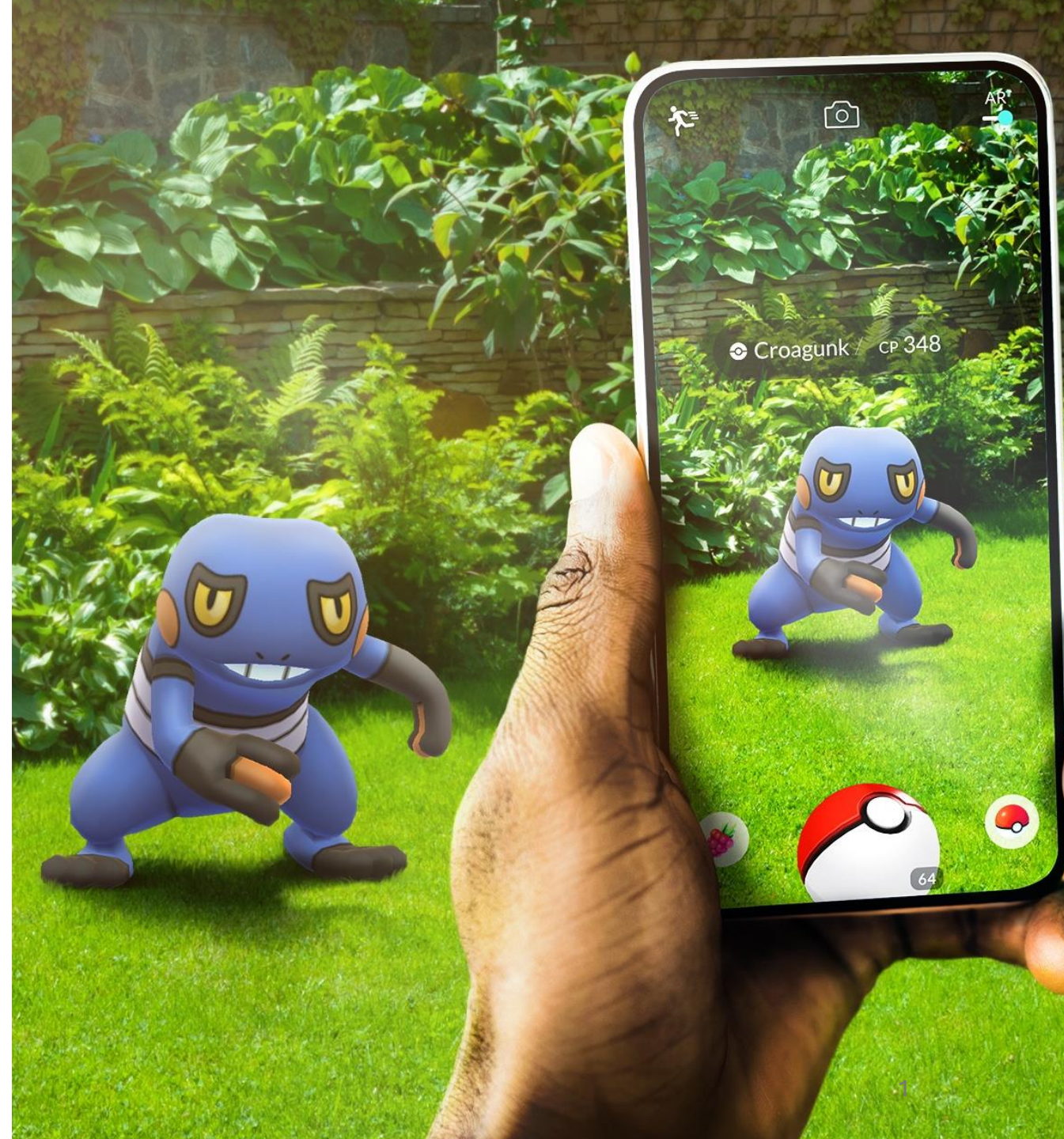# Pokémon GO Battle Assistant

07.24.2025
Caleb, Diego, Dylan & Max

Pokémon Battle Predictor

Pokémon Battle Predictor

- Works for all Pokémon in Pokémon GO

- Designed for competitive use in the great league

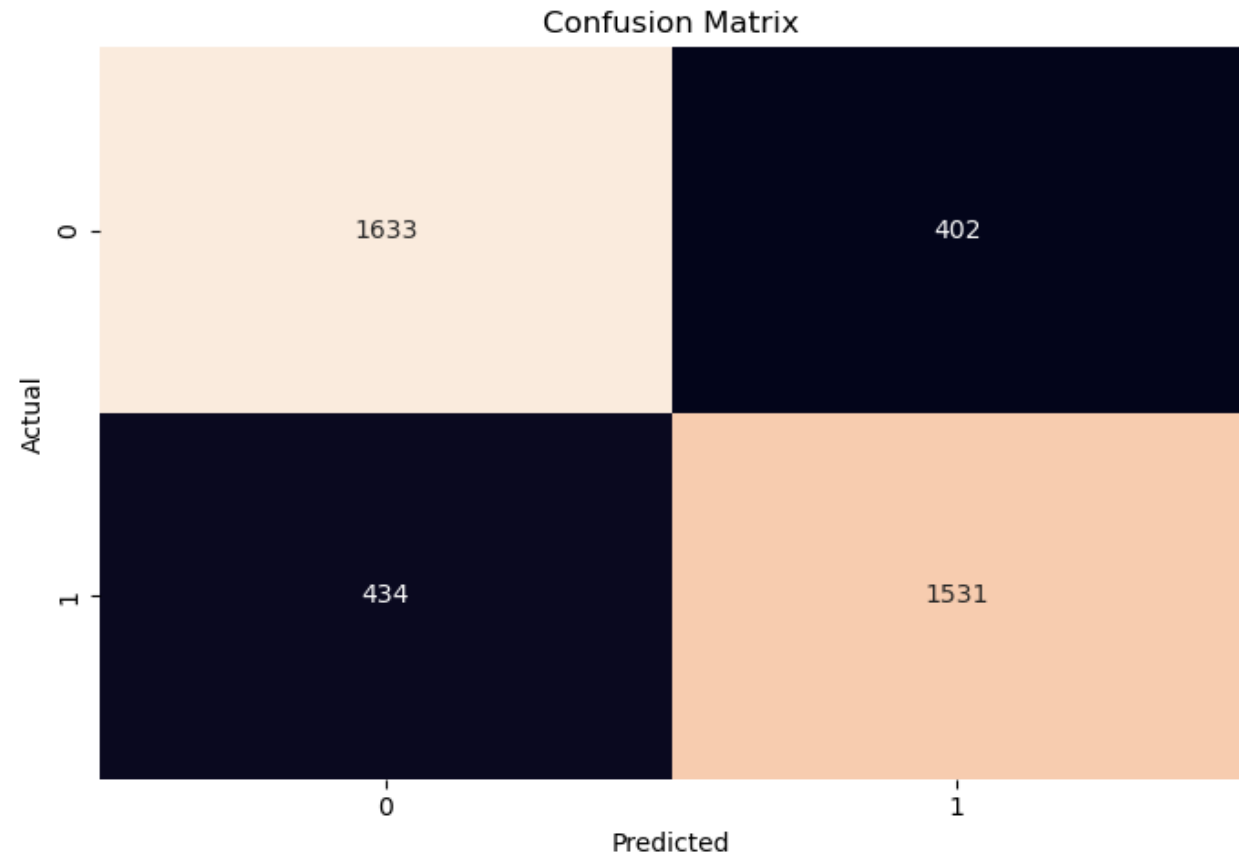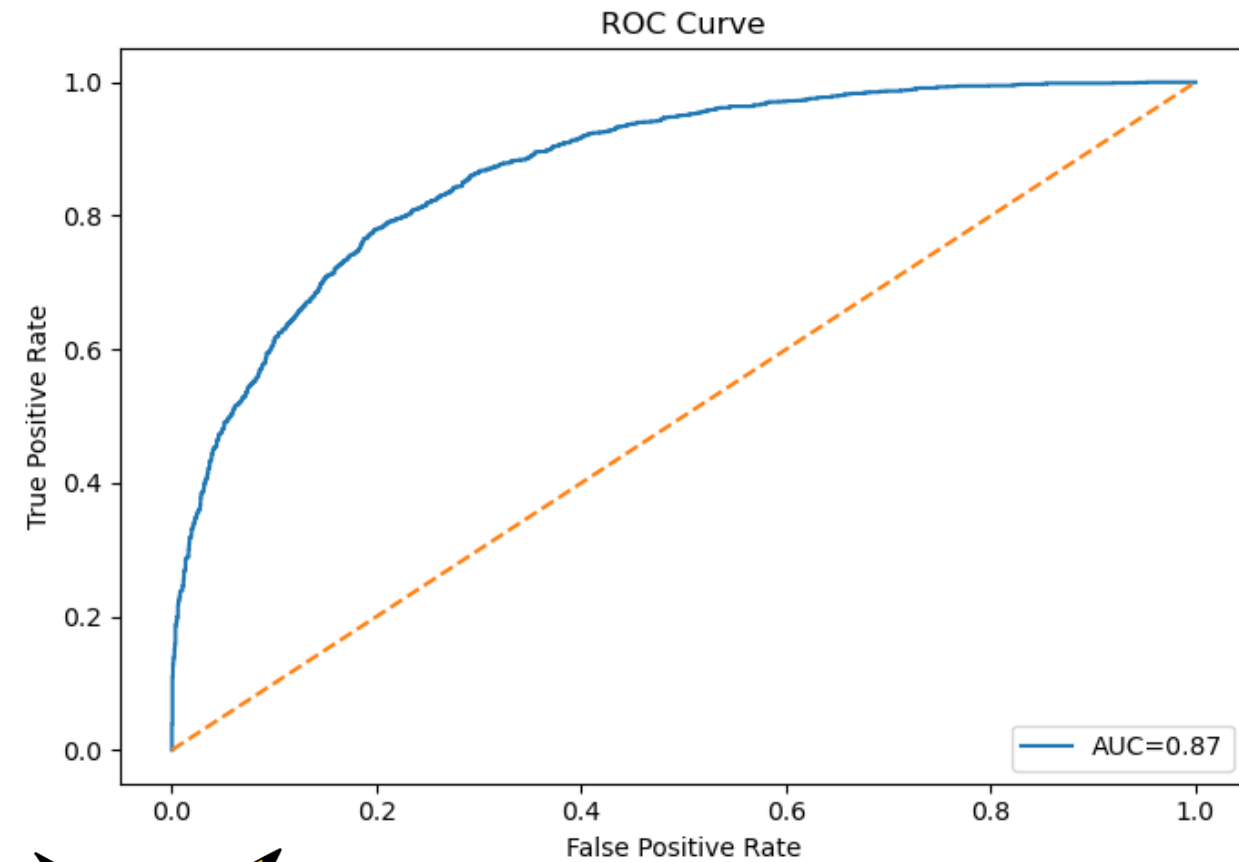- Can insert multiple of your Pokémon finding the best possible Pokémon

Model Accuracies

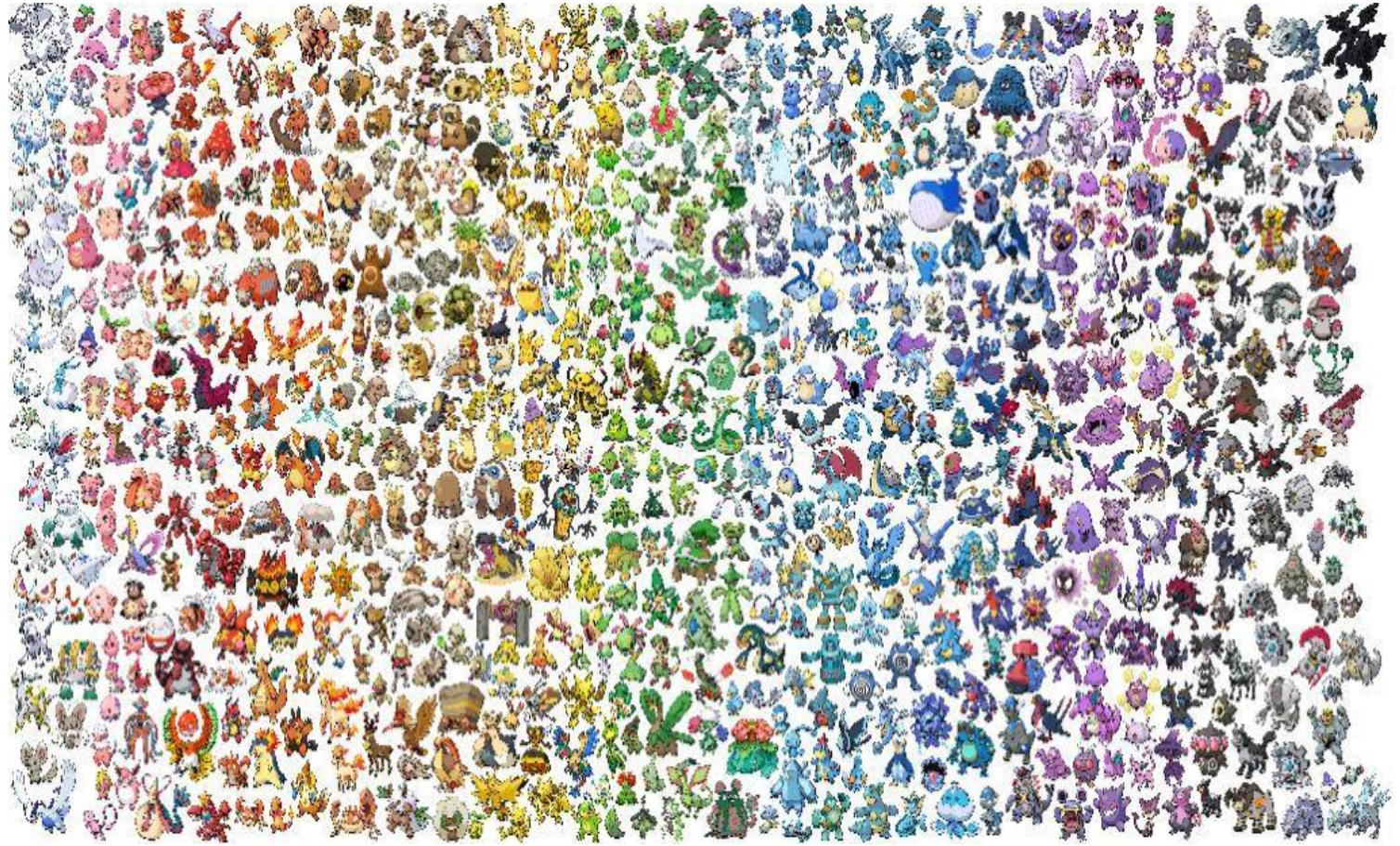| Model	Logistic Regression	Random Forest	Gradient Boost	Categorical Boost
Accuracy	59%	69%	75%	79%

ROC curve and Confusion matrix

Pokémon Naming Model

Image Recognition Model

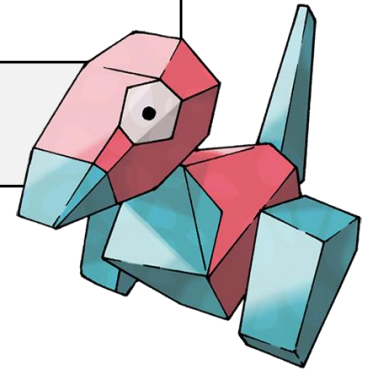Total Pokémon in Pokémon GO: 904

Supported by our image model: 727

Image recognition

Model	CFAR	CNN	EfficientNetB0
Resolution	64x64 pixel	64x64 pixel	256x256 pixel
Training time	Low	Medium	High
File size	17 MB	42 MB	51 MB
Accuracy	~25%	~65%	~65%

Demo

Questions?