

1 Evaluation

1.0.1 Do results meet user needs?

Yes – the battle prediction model and image classifier satisfy the requirements for the Pokémon GO Battle Assistant.

1.0.2 Continue the project?

No – we will not proceed with further development at this time.

1.0.3 Planning of the deployment

- Package the CatBoost battle predictor and the CNN image classifier as REST endpoints.
- Integrate into the existing web/mobile application for real-time use.

1.0.4 Additional data mining iteration (if we were to continue)

- Expand the image dataset with more Pokémon from Pokémon GO to improve classification coverage.
- Introduce further feature engineering on battle data to increase accuracy above 0.79.

1.0.5 Enhance the pre-trained EfficientNetB0 model with:

- More extensive fine-tuning of deeper layers
- More sophisticated data augmentation techniques
- Implement support for missing Pokémon species to increase coverage

1.0.6 Governance and ethical considerations

No governance issues or ethical concerns were encountered.