

CLASSIFYING PRODUCE



THE TEAM



TIM CLEARY

Aspiring Data Scientist
and Vegetable Enthusiast

BOTTOM LINE

AGENDA



DATA ANALYSIS

Understanding problems



MODELING

Finding solutions

RESULTS

How I can help you



MOVING FORWARD

Future goals

DATA

DATA



SOURCING

All of my data was
found on Kaggle

SCOPE

~68k images totalled
in 130 categories

PROCESS

Data was split 80/20
for use with Keras

MODELING



92% ACCURACY

BASELINE MODEL

- Basic layers
- No real customization
- Surprising performance!

MODELING



94% ACCURACY

ADVANCED MODEL

- Detailed layering
- Customized parameters
- Noticeable improvement

RESULTS

RESULTS



FINAL MODEL

99% accuracy on training
and validation sets

Highly useful for
potential stakeholders

Reproducible and easy
to apply

**MOVING
FORWARD**

MOVING FORWARD



CUSTOMIZE

Create a personalized
dataset to increase
performance



DEPLOY

Incorporate models into
an easy-to-use
application



TUNE

The best models require
time and patience





EMAIL



GITHUB



LINKEDIN

THANK YOU!