

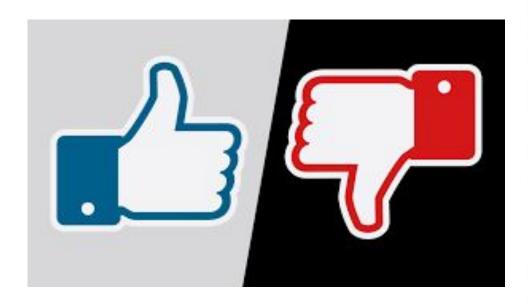
The Mushroom Detector

Avoiding Death by Fungus

Anthony Palumbo-Principal Data Scientist

Recap of Current Product

- -Show the picture along with an explanation
- -Says whether or not the plant is edible





Situation

- Mushrooms are everywhere
- Too many different types to categorize directly
- -Not easy to tell what kind of mushroom it is just by looking at it... if you even can





Michael Lambert

★★★★ July 11, 2017

Liked it until I got the images download issue. Please fix. Just uninstalled/reinstalled. Still not working.



Nicholas Wayne

* * * * December 14, 2018

Trying to download images the app will not open.





6

Opportunity

-Can we be universal?



Chris Maddock

★ ★ ★ ★ ★ November 22, 2016





Chris Maddock Totally useless. Search function doesn't work and no UK plants! Can I get my money back?



Doug Eller

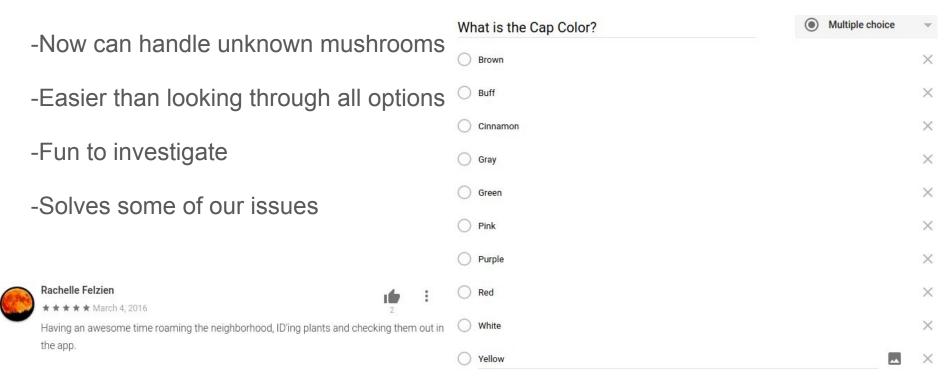
* * * * August 30, 2016





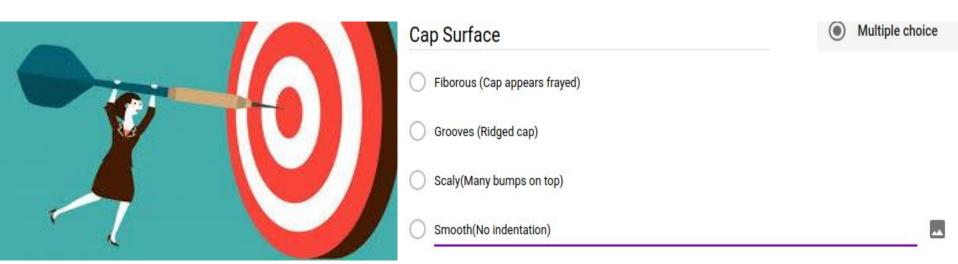
I was disappointed to find out the Southeast isn't included. So I paid \$4.99 for something that doesn't help me. When will the Southeast be included? I'll change this to 5 stars when it is.

New App Feature!



Features of the Addition

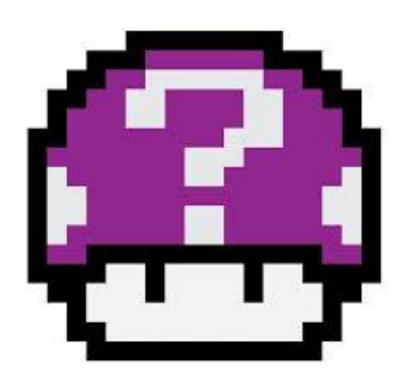
- -Survey that asks about the features of the mushrooms
- -Explanation of each of the variables
- > 99.9% accuracy on a sample of over 1600 mushrooms!



Request

- -We can do this for other things too
- Get more data for other plants

Questions?



Feature Details-Confusion Matrix

	Actual Poisonous	Actual Edible
Predicted Poisonous	800	1
Predicted Edible	0	824

Accuracy = 99.94%

Feature Details-ROC/AUC(Receiving Operator Characteristic/Area Under Curve)

