How Sweet it is to be Classified by You

Grant Thiltgen

Image Prediction

Sweet

Not Sweet

Image Prediction

Machine Learning Methods

k-Nearest Neighbors

Support Vector Machines

Random Forest

Naive Bayes

Decision Tree

Machine Learning Methods

k-Nearest Neighbors

Support Vector Machines

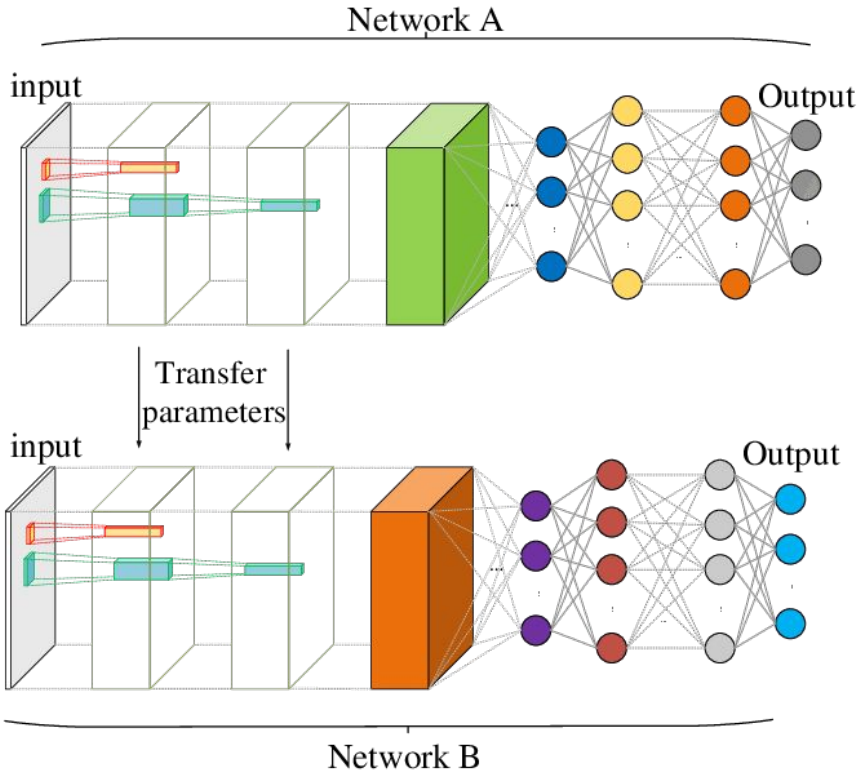
Random Forest

Naive Bayes

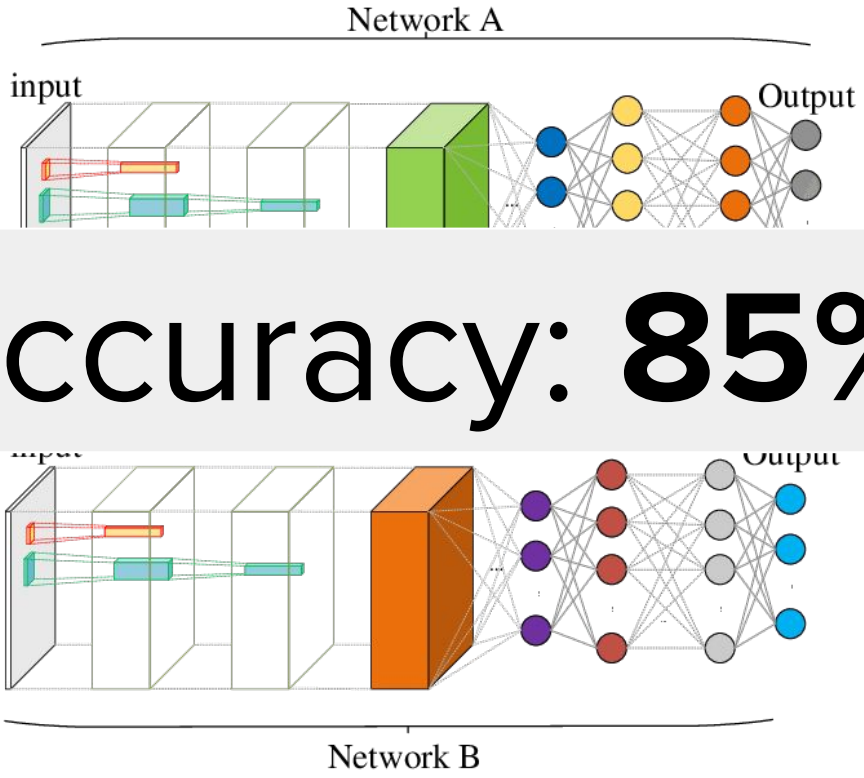
Decision Tree

Accuracy: **65%**

Convolutional Neural Networks



Convolutional Neural Networks



See it work!

https://github.com/grantthiltgen/how-sweet-it-is

Is it sweet?

Wow! What a delicious looking photo!

I'm about 71% certain that the food in your image is not sweet!

Is it sweet?

Wow! What a delicious looking photo!

I'm about 75% certain that the food in your image is not sweet!

Is it sweet?

Wow! What a delicious looking photo!

I'm about 64% certain that the food in your image is not sweet!

Is it sweet?

Wow! What a delicious looking photo!

I'm about 87% certain that the food in your image is sweet!

Future Work

- Make it pretty!
- Launch on the web.
- Find a cleaner Dataset.
- Use Nutritional Database to be able to classify as “Nutritious”/“Not Nutritious”

THANK YOU!

Wow! What a delicious looking photo!

I'm about 96% certain that the food in your image is sweet!

Is it sweet?

Wow! What a delicious looking photo!

I'm about 100% certain that the food in your image is not sweet!

Is it sweet?

Wow! What a delicious looking photo!

I'm about 91% certain that the food in your image is sweet!

Is it sweet?

Wow! What a delicious looking photo!

I'm about 57% certain that the food in your image is not sweet!

Is it sweet?

Wow! What a delicious looking photo!

I'm about 96% certain that the food in your image is sweet!