By Makena Jones
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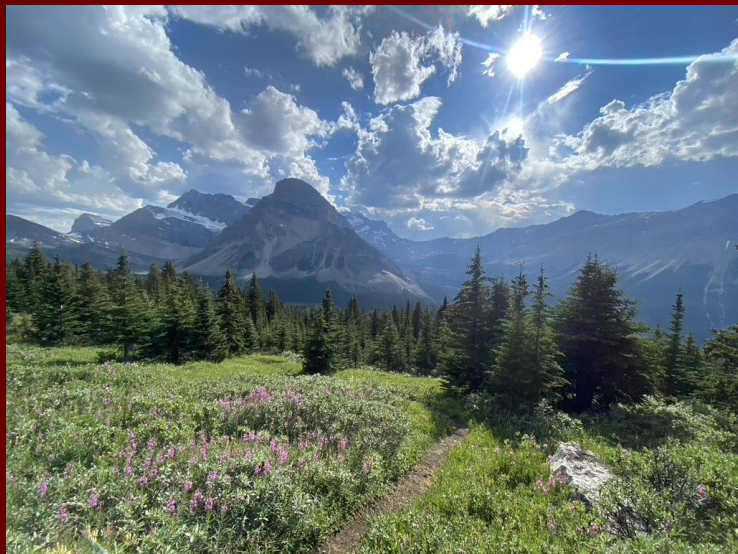# Is it a Bear??

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Identifying bear droppings through Convoluted Neural Networks

A General Assembly - DSI 1128 Project

MY PROBLEM:

- **Can I develop an application using CNN to identify a picture of bear poo?**
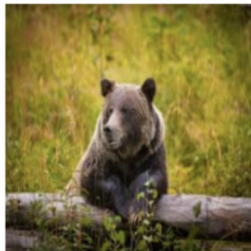
MY PROBLEM:

OVERVIEW
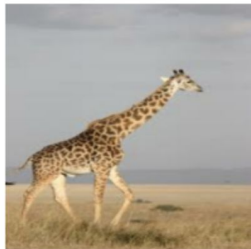
- Data
- EDA
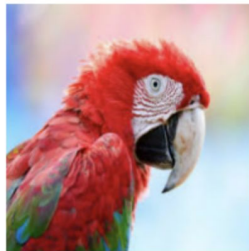- CNN Model
- Transfer Model
- Going Forward
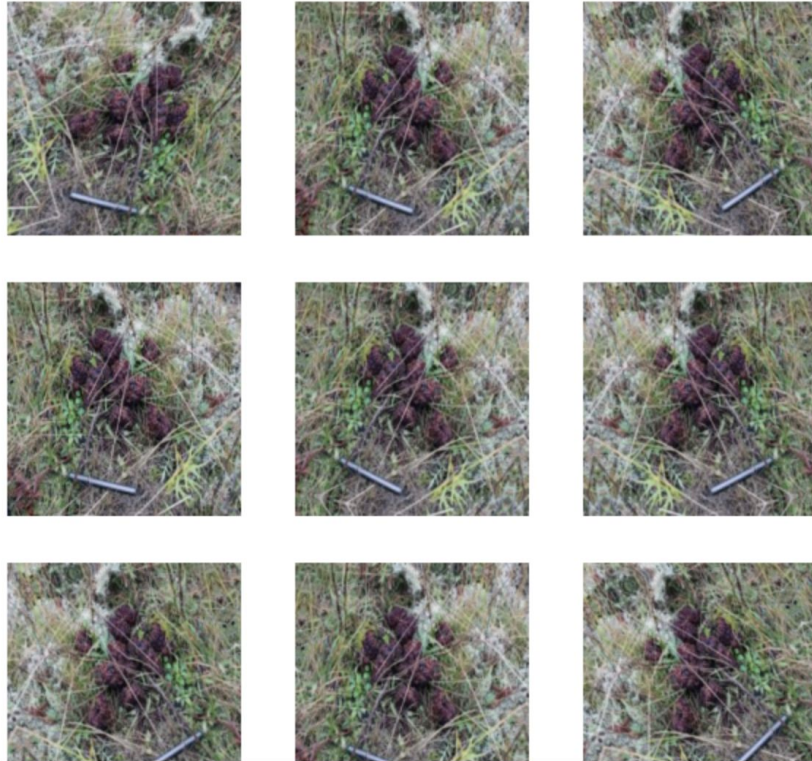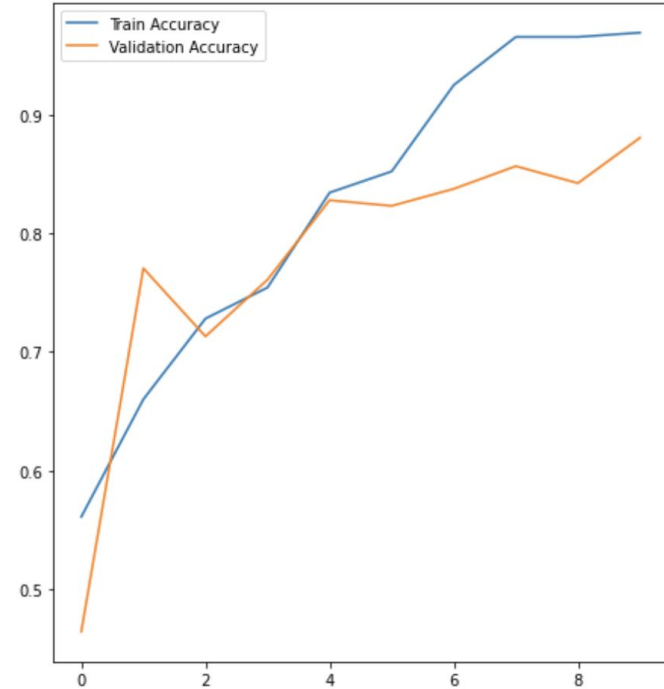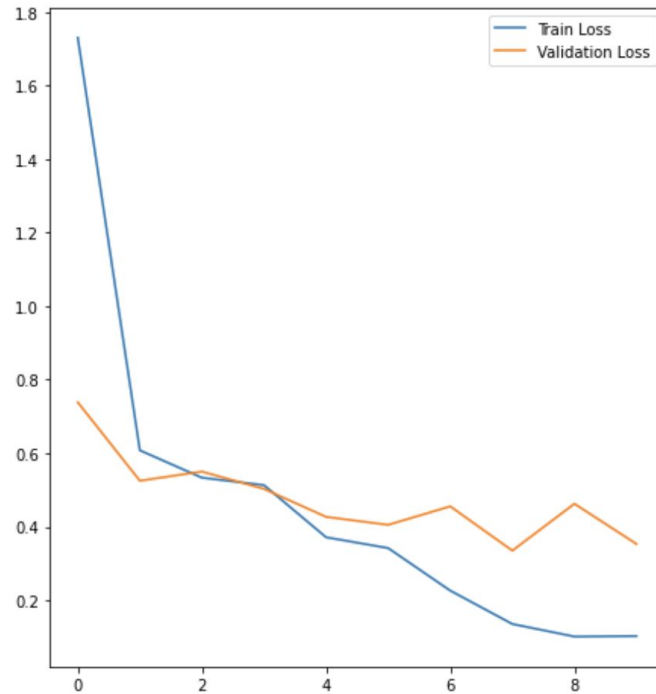
Data Collection & Labelling

Data Augmentation

Bear Scat with Augmentation Applied

Modelling

Loss and Accuracy for Train Vs Validation data

Test Case # 1:

NOT Bear Scat (99% sure)

Test Case # 2:

Bear Scat (99% sure)

Test Case # 3:

NOT Bear Scat (99% sure)

Test Case # 4:

Bear Scat (50.1% sure)

Test Case # 5:

NOT Bear Scat (99 % sure)

Test Case # 6:

Bear Scat (99 % sure)

Further Study

- Launch a StreamLit app

- Get a better data set to train my model on

- Expand to identifying different kinds of animals by their poo

Thank you!