

## 1. PROJECT TITLE

-- PyTorch Mushroom Image Classification

## 2. PROJECT DESCRIPTION

Extracting Training Images From Video Frames to Classify Mushrooms with PyTorch.

## 3. SET UP

- 1-- Load files listed below into the same contents folder and make a note of the directory path leading to this contents folder.
- 2-- Remove file, "holder\_file.txt" from test folder (\*\*) and fungi\_dataset folder (\*\*\*)
- 3-- Move all (\*) folders into test folder (\*\*). Each (\*) folder contains 25 test images.
- 4-- Move test folder (\*\*) into fungi\_dataset folder (\*\*\*)
- 5-- Resulting directory set-up should be as shown below in 4.)

## 4. PROJECT FOLDER CONTENTS

- This README.pdf file.
- PyTorch\_Mushroom\_Image\_Classification.ipynb
- PyTorch\_Mushroom\_Image\_Classification.html
- PyTorch\_Mushroom\_Image\_Classification.pdf
- amanita\_muscaria.mp4
- calocera\_viscosa.mp4
- clathrus\_ruber.mp4
- coprinus\_comatus.mp4
- favolaschia\_calocera.mp4
- ganoderma\_lucidum.mp4
- laetiporus\_sulphureus.mp4
- morchella\_esculenta.mp4
- phallus\_indusiatus.mp4
- Pics folder
- fungi\_dataset folder (\*\*\*)
  - holder\_file.txt (should be deleted)
  - test folder (\*\*)
    - holder\_file.txt (should be deleted)
    - amanita\_muscaria (\*)
    - calocera\_viscosa (\*)
    - clathrus\_ruber (\*)
    - coprinus\_comatus (\*)
    - favolaschia\_calocera (\*)
    - ganoderma\_lucidum (\*)
    - laetiporus\_sulphureus (\*)
    - morchella\_esculenta (\*)
    - phallus\_indusiatus (\*)
  - train folder (empty, will be populated by code)
    - amanita\_muscaria
    - calocera\_viscosa
    - clathrus\_ruber
    - coprinus\_comatus
    - favolaschia\_calocera
    - ganoderma\_lucidum
    - laetiporus\_sulphureus
    - morchella\_esculenta
    - phallus\_indusiatus