

# Start-Tech Academy



















DOGS









#### **Details**

- Binary Classification problem
- Colored Images
- No Standard Dimension
- Kaagle Dataset
- We will use subset of this data



4000 Images (2000 cats, 2000 dogs) Data 2000 Images 1000 Images 1000 Images Valid Train Test Test\_folder class\_a class\_b class\_a class\_b 1000 Images 1000 Images 500 Images 500 Images 1000 Images











#### **Process**

- 1. CNN with small dataset (Acc 71%)
- 2. CNN with data augmentation (Acc 80+%)
- 3. Transfer Learning (Acc 90+%)

