TEKLRN

TENSORFLOW LEVEL 17

1. Data augmentation
   - Overview
   - Setup

2. Download a dataset

3. Use Keras preprocessing layers

4. Resizing and rescaling

5. Data augmentation

6. Two options to use the preprocessing layers
   - Option 1: Make the preprocessing layers part of your model
   - Option 2: Apply the preprocessing layers to your dataset 7.
   Apply the preprocessing layers to the datasets

   Train a model
8.
9. Custom data augmentation
   - Using tf.image
   - Retrieve an image to work with.

10. Data augmentation
    - Flipping the image
    - Grayscale the image
    - Grayscale an image.
    - Saturate the image
    - Saturate an image by providing a saturation factor.
    - Change image brightness
    - Center crop the image
    - Rotate the image

11. Apply augmentation to a dataset

12. Configure the datasets

13. Image segmentation

14. What is image segmentation?

15. Download the Oxford-IIIT Pets dataset

16. Define the model

17. Train the model

18. Make predictions

19. tensorflow/hub