TEKLRN

TENSORFLOW LEVEL 28

1.	Integrated gradients • Setup
2.	Download a pretrained image classifier from TF-Hub
3.	Load and preprocess images with tf.image
4.	Classify images
5.	Calculate Integrated Gradients
6.	Establish a baseline
7.	Unpack formulas into code
8.	The formula for Integrated Gradients is as follows:
9. 10.	$Integrated Gradients i(x) ::= (xi-xi') \times \int \alpha = 0.10 F(x'+\alpha \times (x-x')) \partial x i d\alpha$
11.	Interpolate images
12.	Compute gradients
13.	Visualizing gradient saturation
14.	Accumulate gradients (integral approximation)
15.	Putting it all together
16.	Visualize attributions
17.	Uses and limitations