

1. **Integrated gradients**
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:**
10.  **$\text{IntegratedGradients}_i(x) ::= (x_i - x'_i) \times \int_{\alpha=0}^1 \partial F(x' + \alpha(x - x')) \partial x_i d\alpha$**
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**