

- **Integrated gradients**
- **Download a pretrained image classifier from TF-Hub**
- **Load and preprocess images with tf.image**
- **Classify images**
- **Calculate Integrated Gradients**
- **Establish a baseline**
- **Unpack formulas into code**
- **The formula for Integrated Gradients is as follows:**
- **$\text{IntegratedGradients}_i(\mathbf{x}) ::= (\mathbf{x}_i - \mathbf{x}'_i) \times \int_{\alpha=0}^1 \partial F(\mathbf{x}' + \alpha \times (\mathbf{x} - \mathbf{x}')) \partial x_i d\alpha$**
- **Interpolate images**
- **Compute gradients**
- **Visualizing gradient saturation**
- **Accumulate gradients (integral approximation)**
- **Putting it all together**
- **Visualize attributions**
- **Uses and limitations**