

1. **Neural style transfer**
2. **Visualize the input**
3. **Fast Style Transfer using TF-Hub**
4. **Define content and style representations**
5. **Intermediate layers for style and content**
6. **Build the model**
7. **Calculate style**
8. **Extract style and content**
9. **Run gradient descent**
10. **Total variation loss**
11. **Re-run the optimization**
12. **DeepDream**
 - **Choose an image to dream-ify**
 - **Prepare the feature extraction model**
 - **Calculate loss**
 - **Gradient ascent**
 - **Main Loop**
 - **Taking it up an octave**
 - **Optional: Scaling up with tiles**