Weekly Quiz 11
Due on: 2020-12-23 23:59:00

1. In the Collaborative problem, where we have the collection of rated and unrated images, one can model the problem as a regression problem (possibly with latent variables) for these images. If one uses RBF color space as or as a classification problem (classifying pixels to indicate the one of the qualitative latent ones), the data on the images is not classified to the regression model for this task because:
   - Classification models are easier to train and are more accurate in scenarios with fewer labeled data points.
   - Regression models are more flexible and can handle more complex relationships.
   - Classification is inherently more complex due to the presence of multiple classes.

2. Which of the following statements is true?
   - Yes, because the collaborative problem uses RBF color space for classification.
   - No, because the collaborative problem uses RBF color space for regression.

3. From the Collaborative problem section, the following statement is true:
   - False
   - True

4. The following statement is true:
   - False
   - True

5. Which of the following is a direct consequence of Projective-Gradients?
   - Generating a generator and a discriminator
   - Creating a new dataset
   - Using the generator and the discriminator to estimate the realism of the generated images

6. Which of the following is the correct step in Super Resolution (SR) when the false statement occurs?
   - It is easy to make training datasets as we can download large high-resolution images and train the SR methods to upscale the downsampled images.
   - This method uses the generator to produce super-resolution images.
   - The super-resolution layers are trained to create high-resolution images from low-resolution features.

7. Which of the following is not a direct application of CycleGAN?
   - Animal identification
   - Image generation
   - Video frame interpolation

8. Which of the following is not a direct application of DeepLab?
   - Image classification
   - Image segmentation
   - Image super-resolution

9. Which of the following is not a direct application of StyleGAN?
   - Image generation
   - Image super-resolution
   - Image classification

10. Which of the following is not a direct application of StyleGAN?
    - Image generation
    - Image super-resolution
    - Image classification

11. Which of the following is not a direct application of StyleGAN?
    - Image generation
    - Image super-resolution
    - Image classification