**Data Set Description:**

The SRGAN dataset is specifically curated and prepared for training and evaluating Super-Resolution Generative Adversarial Networks (SRGANs). It consists of a collection of image pairs, with each pair containing a low-resolution image and its corresponding high-resolution counterpart. These image pairs serve as the training and testing data for SRGAN models, allowing them to learn the mapping from low-resolution to high-resolution images.

**Data set Features:**

Image Pairs: The dataset includes pairs of images, where one image is the low-resolution version of the other. These pairs are essential for training the SRGAN model in a supervised manner, as the network learns to generate high-resolution images from their low-resolution counterparts.

Diverse Content: The images in the dataset cover a wide range of content, including natural scenes, faces, objects, and more. This diversity helps ensure that the SRGAN model can handle various types of images and their super-resolution needs.

Resolution Variability: The low-resolution images in the dataset may have varying levels of degradation, representing the challenges of real-world low-resolution scenarios. This variability allows the SRGAN model to adapt to different degrees of upscaling.

Sufficient Size: The dataset is typically large enough to provide a significant amount of training data to effectively train SRGAN models. It may contain thousands or even tens of thousands of image pairs.

High-Quality High-Resolution Images: The high-resolution images in the dataset are of high quality, which serves as a reference for evaluating the performance of the SRGAN model in generating accurate super-resolved images.

**Source:**

https://www.kaggle.com