Я выбрал тему NST, так как все ресурсы заняты под обучение edvanced super resultion GAN, которую я выбрал как нейросеть для проекта. Кроме того, так как GAN выбран для проекта, хотелось бы в домашней работе посмотреть что-то другое.

```
!pip3 install torch torchvision
!pip3 install pillow
    Requirement already satisfied: torch in /usr/local/lib/python3.6/dist-packa
    Requirement already satisfied: torchvision in /usr/local/lib/python3.6/dist
    Requirement already satisfied: typing-extensions in /usr/local/lib/python3.
    Requirement already satisfied: dataclasses in /usr/local/lib/python3.6/dist
    Requirement already satisfied: future in /usr/local/lib/python3.6/dist-pack
    Requirement already satisfied: numpy in /usr/local/lib/python3.6/dist-packa
    Requirement already satisfied: pillow>=4.1.1 in /usr/local/lib/python3.6/di
    Requirement already satisfied: pillow in /usr/local/lib/python3.6/dist-pack
%matplotlib inline
from PIL import Image
import torch
import torch.nn as nn
import torch.nn.functional as F
import torch.optim as optim
import matplotlib.pyplot as plt
import torchvision.transforms as transforms
import torchvision.models as models
import copy
```

Класс для загрузки изображений

https://colab.research.google.com/drive/1boA7E4ay...

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