

1. Recognition of traffic signs. Single-image, multi-class classification problem.
The dataset: GTSRB [<http://benchmark.ini.rub.de/?section=gtsrb&subsection=dataset>].
2. Image classification with a large number of categories. Single-image, multi-class classification problem. The dataset: Cifar-10 [<https://www.kaggle.com/c/cifar-10>].
3. Image classification with a large number of categories. Single-image, multi-class classification problem. The dataset: Cifar-100 [<https://www.cs.toronto.edu/~kriz/cifar.html>].
4. Image classification with a large number of categories. Single-image, multi-class classification problem. The dataset: Caltech-101 [http://www.vision.caltech.edu/Image_Datasets/Caltech101].
5. Image classification with a large number of categories. Single-image, multi-class classification problem. The dataset: Caltech-256 [http://www.vision.caltech.edu/Image_Datasets/Caltech256].
6. Digit recognition. Single-image, multi-class classification problem.
The dataset: the Street View House Numbers (SVHN) dataset [<http://ufldl.stanford.edu/housenumbers>].
7. Primitive 3D objects classification. Single-image, multi-class classification problem.
The dataset: [<https://www.kaggle.com/sirsolim/images-of-primitive-3d-objects-for-classification>].
8. Fruit classification on images. Single-image, multi-class classification problem.
The dataset: [<https://www.kaggle.com/moltean/fruits>].
9. Blood cell classification. Single-image, multi-class classification problem.
The dataset: [<https://www.kaggle.com/paultimothymooney/blood-cells>].
10. Art styles classification. Single-image, multi-class classification problem.
The dataset: [<https://www.kaggle.com/thedownhill/art-images-drawings-painting-sculpture-engraving>].
11. Food classification problem. Single-image, multi-class classification problem.
The dataset: [https://www.vision.ee.ethz.ch/datasets_extra/food-101].
12. The Simpsons' character classification. Single-image, multi-class classification problem.
The dataset: [<https://www.kaggle.com/alexattia/the-simpsons-characters-dataset>].
13. Hand-written Cyrillic and Latin alphabet classification. Single-image, multi-class classification problem. The dataset: [<https://www.kaggle.com/gregvial/connist>].
14. Dogs vs. Cats classification. Single-image, multi-class classification problem.
The dataset: [<https://www.kaggle.com/c/dogs-vs-cats/data>].
15. Fashion classification. Single-image, multi-class classification problem.
The dataset: Fashion MNIST [<https://www.kaggle.com/zalando-research/fashionmnist>].