

Description of the task

Dataset

Neural network development

Preprocessing

Structure of the net

First version

Final version

Examples

Media Informatic Systems

Image recognition task

Carlos Sánchez Páez

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CIFAR100

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Examples

① 60 000 32x32 colour images (RGB).

CIFAR100

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Examples

- 1 60 000 32x32 colour images (RGB).
- 2 100 classes.

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Examples

- 1 60 000 32x32 colour images (RGB).
- 2 100 classes.
- 3 600 images per class.

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- ① 60 000 32x32 colour images (RGB).
- ② 100 classes.
- ③ 600 images per class.
 - ① 500 training.

CIFAR100

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- ① 60 000 32x32 colour images (RGB).
- ② 100 classes.
- ③ 600 images per class.
 - ① 500 training.
 - ② 100 testing.

CIFAR100

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- ① 60 000 32x32 colour images (RGB).
- ② 100 classes.
- ③ 600 images per class.
 - ① 500 training.
 - ② 100 testing.
- ④ Best accuracy: 75.72%

CIFAR100

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aquatic mammals	beaver, dolphin, otter
fish	aquarium fish, flatfish, r
flowers	orchids, poppies, roses, s
food containers	bottles, bowls, cans,
fruit and vegetables	apples, mushrooms, oranges,
household electrical devices	clock, computer keyboard, lamp
household furniture	bed, chair, couch, tab
insects	bee, beetle, butterfly, cate
large carnivores	bear, leopard, lion,
large man-made outdoor things	bridge, castle, house, ro
large natural outdoor scenes	cloud, forest, mountai
large omnivores and herbivores	camel, cattle, chimpanzee, e
medium-sized mammals	fox, porcupine, possum,
non-insect invertebrates	crab, lobster, snail, s
people	baby, boy, girl, ma

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