PyTorch Hub | PyTorch

PYTORCH

HUB

Discover and publish models to a pre-trained model repository designed for research exploration. Check out the models for Researchers, or learn How It Works.

Contribute Models

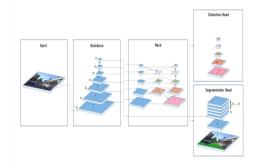
*This is a beta release - we will be collecting feedback and improving the PyTorch Hub over the coming months.

FOR RESEARCHERS —

EXPLORE AND EXTEND MODELS FROM THE LATEST CUTTING EDGE RESEARCH

HybridNets \$\mathbf{O}\$ 531

HybridNets - End2End Perception Network



3D ResNet 👩 3.1k

Resnet Style Video classification networks pretrained on the Kinetics 400 dataset

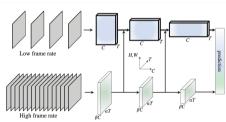


Figure 1. A SlowFast network has a low frame rate, low temporal resolution Slow pathway and a high frame rate, $\alpha \times$ higher temporal resolution Fast pathway. The Fast pathway is lightweight by using a fraction $(\beta, e.g., 1/8)$ of channels. Lateral connections fuse them.

SlowFast **3**.1k

SlowFast networks pretrained on the Kinetics 400 dataset

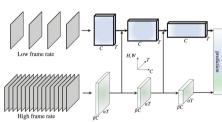
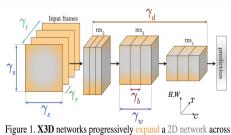


Figure 1. A **SlowFast network** has a low frame rate, low temporal resolution *Slow* pathway and a high frame rate, $\alpha \times$ higher temporal resolution *Fast* pathway. The Fast pathway is lightweight by using a fraction $(\beta, e.g., 1/8)$ of channels. Lateral connections fuse them.

X3D 🞧 3.1k

X3D networks pretrained on the Kinetics 400 dataset



the following axes: Temporal duration γ_t , frame rate γ_τ , spatial resolution γ_s , width γ_w , bottleneck width γ_b , and depth γ_d .

Neck Detect head

YOLOP 👩 1.7k

YOLOP pretrained on the BDD100K dataset

PyTorch Hub | PyTorch https://pytorch.org/hub/

MiDaS 👩

MiDaS models for computing relative depth from a single image.



All Research Models (52)

HOW IT WORKS —

PUBLISHING MODELS

PyTorch Hub supports publishing pre-trained models (model definitions and pre-trained weights) to a GitHub repository by adding a simple hubconf.py file.

LOADING MODELS

Users can load pre-trained models using torch.hub.load() API. Here's an example showing how to load the resnet18 entrypoint from the pytorch/vision repo.

model = torch.hub.load('pytorch/vision', 'resnet18',
pretrained=True)

See Full Documentation

Docs

Access comprehensive developer documentation for PyTorch

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