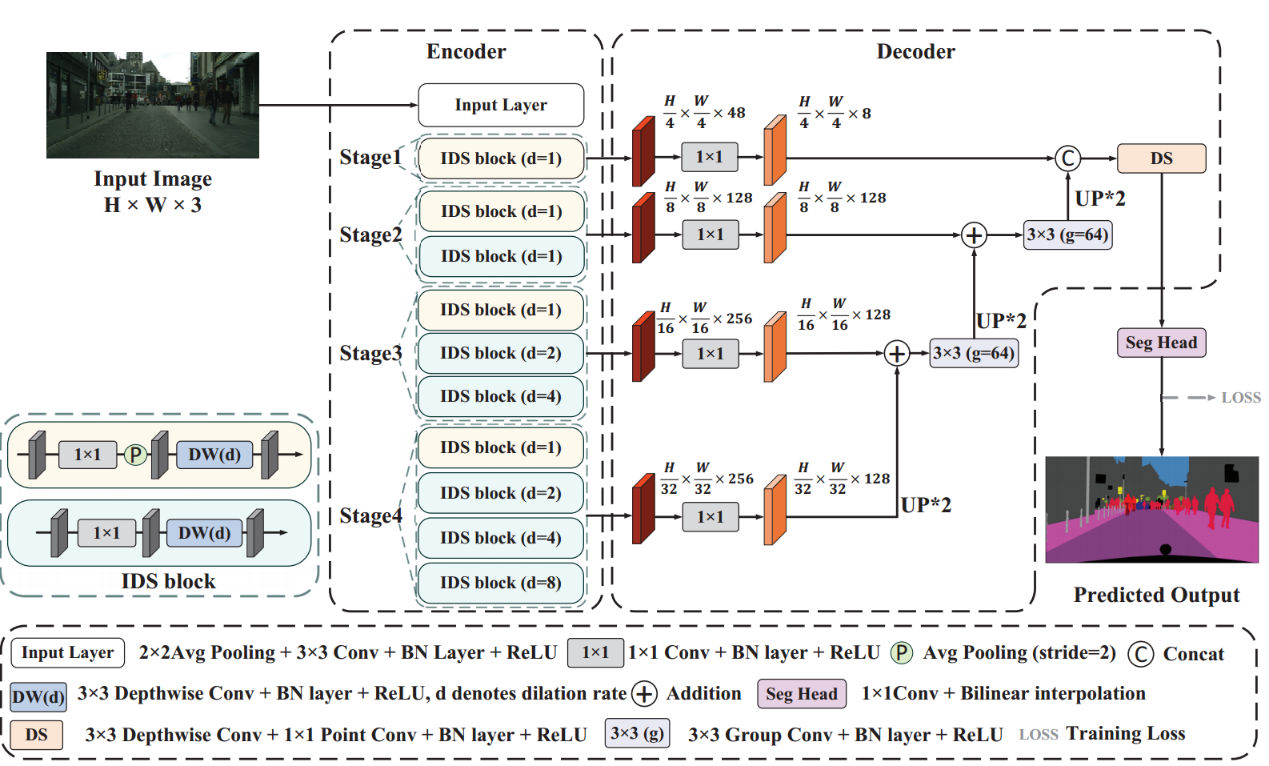
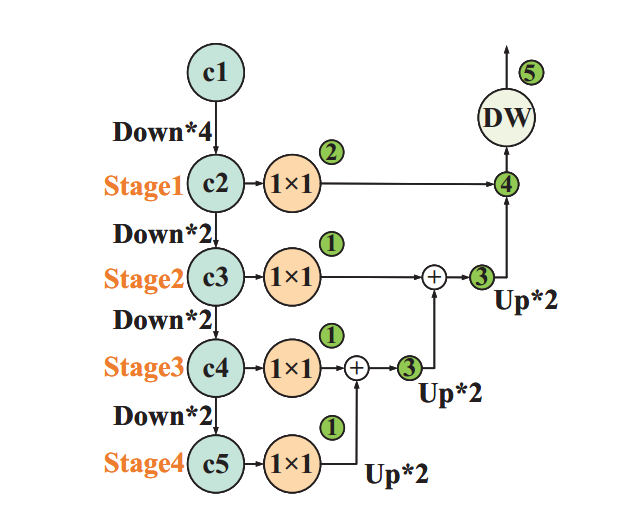
**Readme**

The official implementation of “ICANet: A LIGHTWEIGHT INCREASING CONTEXT AIDED NETWORK FOR REAL-TIME IMAGE SEMANTIC SEGMENTATION”

ICANet



Decoder



Setup

Install the dependencies in requirements.txt by using pip and virtualenv.

Download Cityscapes

Go to https://www.cityscapes-dataset.com, create an account, and download gtFine\_trainvaltest.zip and leftImg8bit\_trainvaltest.zip. Unzip both of them and put them in a directory called cityscapes\_dataset. The cityscapes\_dataset directory should be inside the ICANet directory. If you put the dataset somewhere else, you can set the config field.

Usage

To see the model definitions and do some speed tests, go to model.py.

To train, validate, benchmark, and save the results of your model, go to train.py.

Cityscapes results

Test mIoU: 75.3%

Val mIoU: 75.7%