1. The paper proposed multiple ResNet with different numbers of layers residual nets. There are ResNet-18, ResNet-34, ResNet-50, ResNet-101, ResNet-152, and ResNet 20, ResNet-32, ResNet-44, ResNet-56, ResNet-110, ResNet-1202. There are 11 types of them.

In the code, besides different models with different layers of residual nets, there are ResNet, wide ResNet, and ResNet\_weights. The wide ResNet used a wider layer, and the ResNet\_weights used an existed parameter set to initialize the model. The implementation code includes 19 different ResNet models.

1. ResNet uses deeper residual nets with lower complexity compared to the VGG.
2. The input size of the images for ResNet-50 is 224x224.