Config.json 参数设置

{

"name" : "Urban Testing",

"data" : {

"type" : "CSVDataManager",

"path" : "E:\\UrbanSound8K (1)\\UrbanSound8K",

"format" : "audio",

"loader" : {

"shuffle" : true,

"batch\_size" : 24,

"num\_workers" : 0,

"drop\_last" : true

},

"splits" : {

"train" : [1,2,3,4,5,6,7,8,9],

"val" : [10]

}

},

"transforms" : {

"type" : "AudioTransforms",

"args" : {

"channels" : "avg",

"noise" : [0.3, 0.001],

"crop" : [0.4, 0.25]

}

},

"optimizer" : {

"type" : "Adam",

"args" : {

"lr" : 0.002,

"weight\_decay" : 0.01,

"amsgrad" : true

}

},

"lr\_scheduler" : {

"type" : "StepLR",

"args" : {

"step\_size" : 10,步长

"gamma" : 0.5

参数gamma主要是对低维的样本进行高度度映射，gamma值越大映射的维度越高，训练的结果越好，但是越容易引起过拟合，即泛化能力低。

}

},

"model" : {

"type" : "AudioCRNN"

},

"train" : {

"loss" : "nll\_loss",

"epochs" : 100,

"save\_dir" : "saved\_cv/",

"save\_p" : 1,

"verbosity" : 2,

"monitor" : "min val\_loss",

"early\_stop": 8,

"tbX" : true

},

"metrics" : "classification\_metrics"

}

参数gamma主要是对低维的样本进行高度度映射，gamma值越大映射的维度越高，训练的结果越好，但是越容易引起过拟合，即泛化能力低。