Raw audio – 1dCNN

# four classes: ang,hap+exc,sad,neu

'ang','hap'+'exc','sad','neu'

Epoch 1:

Training Loss 0.343; Training Acc 36.290%; Validation Acc 42.593%; Test Acc 53.211%

Epoch 10:

Training Loss 0.317; Training Acc 45.737%; Validation Acc 43.519%; Test Acc 52.294%

Epoch 20:

Training Loss 0.303; Training Acc 53.456%; Validation Acc 45.370%; Test Acc 58.716%

Epoch 30:

Training Loss 0.293; Training Acc 58.756%; Validation Acc 51.852%; Test Acc 63.303%

Epoch 40:

Training Loss 0.285; Training Acc 60.484%; Validation Acc 50.926%; Test Acc 66.055%

Epoch 50:

Training Loss 0.276; Training Acc 64.747%; Validation Acc 53.704%; Test Acc 67.890%

Epoch 60:

Training Loss 0.267; Training Acc 68.548%; Validation Acc 57.407%; Test Acc 71.560%

Epoch 70:

Training Loss 0.258; Training Acc 72.581%; Validation Acc 55.556%; Test Acc 69.725%

Epoch 80:

Training Loss 0.252; Training Acc 74.885%; Validation Acc 52.778%; Test Acc 66.972%

Epoch 90:

Training Loss 0.246; Training Acc 77.074%; Validation Acc 52.778%; Test Acc 72.477%

Epoch 100:

Training Loss 0.243; Training Acc 78.341%; Validation Acc 58.333%; Test Acc 72.477%

Epoch 110:

Training Loss 0.235; Training Acc 81.797%; Validation Acc 62.963%; Test Acc 68.807%

Epoch 120:

Training Loss 0.232; Training Acc 82.949%; Validation Acc 59.259%; Test Acc 70.642%

Epoch 130:

Training Loss 0.225; Training Acc 84.677%; Validation Acc 59.259%; Test Acc 66.055%

Epoch 140:

Training Loss 0.224; Training Acc 85.369%; Validation Acc 61.111%; Test Acc 69.725%

Epoch 150:

Training Loss 0.220; Training Acc 87.327%; Validation Acc 61.111%; Test Acc 71.560%

Epoch 160:

Training Loss 0.218; Training Acc 87.097%; Validation Acc 60.185%; Test Acc 60.550%

Epoch 170:

Training Loss 0.214; Training Acc 89.055%; Validation Acc 57.407%; Test Acc 64.220%

Epoch 180:

Training Loss 0.212; Training Acc 89.977%; Validation Acc 60.185%; Test Acc 66.972%

Epoch 190:

Training Loss 0.209; Training Acc 91.359%; Validation Acc 64.815%; Test Acc 69.725%

Epoch 200:

Training Loss 0.209; Training Acc 91.244%; Validation Acc 58.333%; Test Acc 65.138%

Epoch 210:

Training Loss 0.207; Training Acc 91.820%; Validation Acc 60.185%; Test Acc 66.972%

Epoch 220:

Training Loss 0.208; Training Acc 91.705%; Validation Acc 55.556%; Test Acc 65.138%

Epoch 230:

Training Loss 0.210; Training Acc 90.668%; Validation Acc 60.185%; Test Acc 65.138%

Epoch 240:

Training Loss 0.206; Training Acc 92.396%; Validation Acc 59.259%; Test Acc 66.972%

Epoch 250:

Training Loss 0.205; Training Acc 92.396%; Validation Acc 62.963%; Test Acc 66.972%

Epoch 260:

Training Loss 0.205; Training Acc 92.627%; Validation Acc 58.333%; Test Acc 67.890%

Epoch 270:

Training Loss 0.205; Training Acc 92.512%; Validation Acc 60.185%; Test Acc 65.138%

Epoch 280:

Training Loss 0.205; Training Acc 92.627%; Validation Acc 62.037%; Test Acc 71.560%

Epoch 290:

Training Loss 0.204; Training Acc 92.972%; Validation Acc 61.111%; Test Acc 66.055%

Epoch 300:

Training Loss 0.204; Training Acc 92.972%; Validation Acc 60.185%; Test Acc 73.394%

Epoch 310:

Training Loss 0.203; Training Acc 93.203%; Validation Acc 60.185%; Test Acc 71.560%

Epoch 320:

Training Loss 0.203; Training Acc 93.318%; Validation Acc 59.259%; Test Acc 69.725%

Epoch 330:

Training Loss 0.204; Training Acc 92.857%; Validation Acc 57.407%; Test Acc 66.055%

Epoch 340:

Training Loss 0.204; Training Acc 93.088%; Validation Acc 62.037%; Test Acc 71.560%

Epoch 350:

Training Loss 0.202; Training Acc 93.548%; Validation Acc 62.037%; Test Acc 68.807%

Epoch 360:

Training Loss 0.202; Training Acc 93.548%; Validation Acc 60.185%; Test Acc 70.642%

Epoch 370:

Training Loss 0.202; Training Acc 93.894%; Validation Acc 55.556%; Test Acc 68.807%

Epoch 380:

Training Loss 0.202; Training Acc 93.548%; Validation Acc 60.185%; Test Acc 67.890%

Epoch 390:

Training Loss 0.202; Training Acc 93.664%; Validation Acc 60.185%; Test Acc 72.477%

Epoch 400:

Training Loss 0.201; Training Acc 94.009%; Validation Acc 64.815%; Test Acc 68.807%

Epoch 410:

Training Loss 0.201; Training Acc 93.894%; Validation Acc 62.037%; Test Acc 67.890%

Epoch 420:

Training Loss 0.201; Training Acc 94.009%; Validation Acc 61.111%; Test Acc 67.890%

Epoch 430:

Training Loss 0.201; Training Acc 93.894%; Validation Acc 59.259%; Test Acc 67.890%

Epoch 440:

Training Loss 0.201; Training Acc 94.009%; Validation Acc 63.889%; Test Acc 69.725%

Epoch 450:

Training Loss 0.201; Training Acc 94.009%; Validation Acc 64.815%; Test Acc 69.725%

Epoch 460:

Training Loss 0.201; Training Acc 94.009%; Validation Acc 58.333%; Test Acc 69.725%

Epoch 470:

Training Loss 0.201; Training Acc 94.124%; Validation Acc 61.111%; Test Acc 72.477%

Epoch 480:

Training Loss 0.201; Training Acc 94.124%; Validation Acc 60.185%; Test Acc 69.725%

Epoch 490:

Training Loss 0.201; Training Acc 93.894%; Validation Acc 62.963%; Test Acc 71.560%

Epoch 500:

Training Loss 0.201; Training Acc 94.240%; Validation Acc 60.185%; Test Acc 68.807%

Epoch 510:

Training Loss 0.200; Training Acc 94.240%; Validation Acc 54.630%; Test Acc 70.642%

Epoch 520:

Training Loss 0.200; Training Acc 94.470%; Validation Acc 57.407%; Test Acc 67.890%

Epoch 530:

Training Loss 0.200; Training Acc 94.355%; Validation Acc 59.259%; Test Acc 66.055%

Epoch 540:

Training Loss 0.199; Training Acc 94.585%; Validation Acc 62.037%; Test Acc 70.642%

Epoch 550:

Training Loss 0.200; Training Acc 94.240%; Validation Acc 59.259%; Test Acc 68.807%

Epoch 560:

Training Loss 0.199; Training Acc 94.816%; Validation Acc 58.333%; Test Acc 70.642%

Epoch 570:

Training Loss 0.199; Training Acc 94.816%; Validation Acc 58.333%; Test Acc 70.642%

Epoch 580:

Training Loss 0.198; Training Acc 94.931%; Validation Acc 59.259%; Test Acc 71.560%

Epoch 590:

Training Loss 0.198; Training Acc 94.931%; Validation Acc 54.630%; Test Acc 69.725%

Epoch 600:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 57.407%; Test Acc 73.394%

Epoch 610:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 62.963%; Test Acc 68.807%

Epoch 620:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 58.333%; Test Acc 67.890%

Epoch 630:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 60.185%; Test Acc 70.642%

Epoch 640:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 61.111%; Test Acc 75.229%

Epoch 650:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 59.259%; Test Acc 72.477%

Epoch 660:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 61.111%; Test Acc 74.312%

Epoch 670:

Training Loss 0.199; Training Acc 95.046%; Validation Acc 59.259%; Test Acc 71.560%

Epoch 680:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 58.333%; Test Acc 73.394%

Epoch 690:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 58.333%; Test Acc 67.890%

Epoch 700:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 61.111%; Test Acc 71.560%

Epoch 710:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 61.111%; Test Acc 71.560%

Epoch 720:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 62.037%; Test Acc 69.725%

Epoch 730:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 60.185%; Test Acc 68.807%

Epoch 740:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 60.185%; Test Acc 70.642%

Epoch 750:

Training Loss 0.198; Training Acc 94.931%; Validation Acc 61.111%; Test Acc 67.890%

Epoch 760:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 57.407%; Test Acc 70.642%

Epoch 770:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 60.185%; Test Acc 71.560%

Epoch 780:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 57.407%; Test Acc 71.560%

Epoch 790:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 62.037%; Test Acc 70.642%

Epoch 800:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 61.111%; Test Acc 71.560%

Epoch 810:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 58.333%; Test Acc 66.972%

Epoch 820:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 60.185%; Test Acc 71.560%

Epoch 830:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 60.185%; Test Acc 68.807%

Epoch 840:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 59.259%; Test Acc 71.560%

Epoch 850:

Training Loss 0.198; Training Acc 95.161%; Validation Acc 60.185%; Test Acc 71.560%

Epoch 860:

Training Loss 0.198; Training Acc 95.046%; Validation Acc 62.037%; Test Acc 71.560%

Epoch 870:

Training Loss 0.199; Training Acc 95.161%; Validation Acc 61.111%; Test Acc 73.394%

Epoch 880:

Training Loss 0.199; Training Acc 94.816%; Validation Acc 61.111%; Test Acc 71.560%

Epoch 890:

Training Loss 0.198; Training Acc 95.161%; Validation Acc 61.111%; Test Acc 72.477%

Epoch 900:

Training Loss 0.198; Training Acc 94.931%; Validation Acc 59.259%; Test Acc 67.890%

Epoch 910:

Training Loss 0.197; Training Acc 95.392%; Validation Acc 62.037%; Test Acc 69.725%

Epoch 920:

Training Loss 0.198; Training Acc 95.276%; Validation Acc 62.037%; Test Acc 67.890%

Epoch 930:

Training Loss 0.197; Training Acc 95.392%; Validation Acc 58.333%; Test Acc 72.477%

Epoch 940:

Training Loss 0.197; Training Acc 95.392%; Validation Acc 63.889%; Test Acc 73.394%

Epoch 950:

Training Loss 0.197; Training Acc 95.392%; Validation Acc 62.037%; Test Acc 73.394%

Epoch 960:

Training Loss 0.197; Training Acc 95.507%; Validation Acc 59.259%; Test Acc 71.560%

Epoch 970:

Training Loss 0.197; Training Acc 95.507%; Validation Acc 62.037%; Test Acc 70.642%

Epoch 980:

Training Loss 0.197; Training Acc 95.507%; Validation Acc 59.259%; Test Acc 68.807%

Epoch 990:

Training Loss 0.197; Training Acc 95.622%; Validation Acc 60.185%; Test Acc 71.560%

Epoch 1000:

Training Loss 0.197; Training Acc 95.622%; Validation Acc 58.333%; Test Acc 70.642%

Finished training