

Deep Learning in Biomedical Image | 10061622 林祐安 HW2

1.

| epoch | Training accuracy | validation accuracy | Testing accuracy |
|-------|-------------------|---------------------|------------------|
| 10 | 0.7871 | 0.7108 | 0.7108 |

In the sample code, the validation data and testing data are the same. Accordingly, validation accuracy must be equal to testing accuracy.

2.

| Epoch=10 | FCNN | CNN |
|----------|--------|--------|
| Accuracy | 0.9097 | 0.9439 |
| Test acc | 0.8820 | 0.9068 |

3.

| Epoch=10 | FCNN (3-hidden) | CNN |
|----------|-----------------|--------|
| Accuracy | 0.9798 | 0.9971 |
| Test acc | 0.9798 | 0.9909 |

In conclusion, CNN is a best choice for different situations.