03imp

data ⇒ (train, test)

train ⇒ (little sep)

cross validation

04imp

使用線性關係(模型)描述feature與target就稱為Linear regression

residual殘差 = (預估，實際)的誤差

loss fxn 殘差數標準化

05imp

tf

06imp

tf

07imp

mnist import data

train, test

cross validation

learning rate

batch size

hidden layer

optimizer

convolution layer

kernel size

activation fxn

pooling layer

pooling size

flat layer

dropout layer

rate

dense layer

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keras

mnist load data

model compile(optimizer, loss)

model fit(epoch, batch\_size)

model evaluate # testing

model.predict

model.save

model.load\_model

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