The "loss" value is a metric that measures how close the model's predictions are to the actual values during training. A lower loss value indicates that the model performs better on the training data. In other words, as the model is trained, the loss value should decrease.

First step define a simple neural network and trains it on the MNIST dataset.

Second step trains a classification model on the MNIST dataset using a Convolutional Neural Network (CNN). The previous code, on the other hand, performs training on the MNIST dataset using a simple fully connected neural network.

metin, ekran görüntüsü, yazılım, multimedya yazılımı içeren bir resim

Açıklama otomatik olarak oluşturuldu

Epoch [1/10], Step [100/938], Loss: 0.6139

Epoch [1/10], Step [200/938], Loss: 0.4494

Epoch [1/10], Step [300/938], Loss: 0.4013

Epoch [1/10], Step [400/938], Loss: 0.3727

Epoch [1/10], Step [500/938], Loss: 0.2626

Epoch [1/10], Step [600/938], Loss: 0.3453

Epoch [1/10], Step [700/938], Loss: 0.1184

Epoch [1/10], Step [800/938], Loss: 0.4278

Epoch [1/10], Step [900/938], Loss: 0.1217

Epoch [2/10], Step [100/938], Loss: 0.4578

Epoch [2/10], Step [200/938], Loss: 0.2217

Epoch [2/10], Step [300/938], Loss: 0.1538

Epoch [2/10], Step [400/938], Loss: 0.0950

Epoch [2/10], Step [500/938], Loss: 0.2280

Epoch [2/10], Step [600/938], Loss: 0.1852

Epoch [2/10], Step [700/938], Loss: 0.1288

Epoch [2/10], Step [800/938], Loss: 0.1994

Epoch [2/10], Step [900/938], Loss: 0.3439

Epoch [3/10], Step [100/938], Loss: 0.2594

Epoch [3/10], Step [200/938], Loss: 0.1453

Epoch [3/10], Step [300/938], Loss: 0.2015

Epoch [3/10], Step [400/938], Loss: 0.0854

Epoch [3/10], Step [500/938], Loss: 0.1167

Epoch [3/10], Step [600/938], Loss: 0.1550

Epoch [3/10], Step [700/938], Loss: 0.1238

Epoch [3/10], Step [800/938], Loss: 0.2899

Epoch [3/10], Step [900/938], Loss: 0.0944

Epoch [4/10], Step [100/938], Loss: 0.0575

Epoch [4/10], Step [200/938], Loss: 0.0873

Epoch [4/10], Step [300/938], Loss: 0.0114

Epoch [4/10], Step [400/938], Loss: 0.2542

Epoch [4/10], Step [500/938], Loss: 0.2121

Epoch [4/10], Step [600/938], Loss: 0.1547

Epoch [4/10], Step [700/938], Loss: 0.0727

Epoch [4/10], Step [800/938], Loss: 0.1276

Epoch [4/10], Step [900/938], Loss: 0.1311

Epoch [5/10], Step [100/938], Loss: 0.0519

Epoch [5/10], Step [200/938], Loss: 0.1977

Epoch [5/10], Step [300/938], Loss: 0.0604

Epoch [5/10], Step [400/938], Loss: 0.0533

Epoch [5/10], Step [500/938], Loss: 0.1469

Epoch [5/10], Step [600/938], Loss: 0.1762

Epoch [5/10], Step [700/938], Loss: 0.1797

Epoch [5/10], Step [800/938], Loss: 0.0924

Epoch [5/10], Step [900/938], Loss: 0.0626

Epoch [6/10], Step [100/938], Loss: 0.0434

Epoch [6/10], Step [200/938], Loss: 0.1269

Epoch [6/10], Step [300/938], Loss: 0.1613

Epoch [6/10], Step [400/938], Loss: 0.0554

Epoch [6/10], Step [500/938], Loss: 0.1000

Epoch [6/10], Step [600/938], Loss: 0.1054

Epoch [6/10], Step [700/938], Loss: 0.0254

Epoch [6/10], Step [800/938], Loss: 0.0757

Epoch [6/10], Step [900/938], Loss: 0.0516

Epoch [7/10], Step [100/938], Loss: 0.0615

Epoch [7/10], Step [200/938], Loss: 0.0749

Epoch [7/10], Step [300/938], Loss: 0.0352

Epoch [7/10], Step [400/938], Loss: 0.0846

Epoch [7/10], Step [500/938], Loss: 0.0919

Epoch [7/10], Step [600/938], Loss: 0.0086

Epoch [7/10], Step [700/938], Loss: 0.0150

Epoch [7/10], Step [800/938], Loss: 0.0653

Epoch [7/10], Step [900/938], Loss: 0.0085

Epoch [8/10], Step [100/938], Loss: 0.0412

Epoch [8/10], Step [200/938], Loss: 0.1257

Epoch [8/10], Step [300/938], Loss: 0.0426

Epoch [8/10], Step [400/938], Loss: 0.1706

Epoch [8/10], Step [500/938], Loss: 0.0643

Epoch [8/10], Step [600/938], Loss: 0.0354

Epoch [8/10], Step [700/938], Loss: 0.1350

Epoch [8/10], Step [800/938], Loss: 0.0501

Epoch [8/10], Step [900/938], Loss: 0.1056

Epoch [9/10], Step [100/938], Loss: 0.0455

Epoch [9/10], Step [200/938], Loss: 0.0246

Epoch [9/10], Step [300/938], Loss: 0.0120

Epoch [9/10], Step [400/938], Loss: 0.0231

Epoch [9/10], Step [500/938], Loss: 0.0294

Epoch [9/10], Step [600/938], Loss: 0.1045

Epoch [9/10], Step [700/938], Loss: 0.0507

Epoch [9/10], Step [800/938], Loss: 0.0384

Epoch [9/10], Step [900/938], Loss: 0.0845

Epoch [10/10], Step [100/938], Loss: 0.0460

Epoch [10/10], Step [200/938], Loss: 0.0636

Epoch [10/10], Step [300/938], Loss: 0.1844

Epoch [10/10], Step [400/938], Loss: 0.0646

Epoch [10/10], Step [500/938], Loss: 0.0181

Epoch [10/10], Step [600/938], Loss: 0.0245

Epoch [10/10], Step [700/938], Loss: 0.0199

Epoch [10/10], Step [800/938], Loss: 0.0403

Epoch [10/10], Step [900/938], Loss: 0.0951

Koniec

# STEP 2

# metin, ekran görüntüsü, yazılım, multimedya yazılımı içeren bir resim Açıklama otomatik olarak oluşturuldu