



Sentiment Analysis

Classifying text as **Positive** or **Negative**
using **TensorFlow.js**

Practical 3 - Web Console

Open browser console to view results

Elements Console Sources Network >>

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Live reload enabled. index.html:102

TensorFlow.js version: 4.22.0 main.js:1

Tensor tfjs@latest:17

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Console AI assistance What's new

Assignment 1

Sentiment Classifier Training

Training a **Dense Neural Network** to classify text as **Positive** or **Negative** using **TensorFlow.js**.

MLT Practical 3 - Web Console

- ✓ Larger labeled dataset
- ✓ Binary word vectorization
- ✓ Dense Neural Network
- ✓ Loss & Accuracy per epoch

Open browser console to view training output.

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Epoch 57	Loss: 0.0020	Accuracy: 1.0000	train.js:71
Epoch 58	Loss: 0.0023	Accuracy: 1.0000	train.js:71
Epoch 59	Loss: 0.0021	Accuracy: 1.0000	train.js:71
Epoch 60	Loss: 0.0019	Accuracy: 1.0000	train.js:71
Epoch 61	Loss: 0.0018	Accuracy: 1.0000	train.js:71
Epoch 62	Loss: 0.0017	Accuracy: 1.0000	train.js:71
Epoch 63	Loss: 0.0015	Accuracy: 1.0000	train.js:71
Epoch 64	Loss: 0.0014	Accuracy: 1.0000	train.js:71
Epoch 65	Loss: 0.0013	Accuracy: 1.0000	train.js:71
Epoch 66	Loss: 0.0013	Accuracy: 1.0000	train.js:71
Epoch 67	Loss: 0.0012	Accuracy: 1.0000	train.js:71
Epoch 68	Loss: 0.0011	Accuracy: 1.0000	train.js:71
Epoch 69	Loss: 0.0011	Accuracy: 1.0000	train.js:71
Epoch 70	Loss: 0.0010	Accuracy: 1.0000	train.js:71
Epoch 71	Loss: 0.0010	Accuracy: 1.0000	train.js:71
Epoch 72	Loss: 0.0009	Accuracy: 1.0000	train.js:71
Epoch 73	Loss: 0.0009	Accuracy: 1.0000	train.js:71
Epoch 74	Loss: 0.0009	Accuracy: 1.0000	train.js:71
Epoch 75	Loss: 0.0008	Accuracy: 1.0000	train.js:71
Epoch 76	Loss: 0.0008	Accuracy: 1.0000	train.js:71
Epoch 77	Loss: 0.0008	Accuracy: 1.0000	train.js:71
Epoch 78	Loss: 0.0008	Accuracy: 1.0000	train.js:71
Epoch 79	Loss: 0.0007	Accuracy: 1.0000	train.js:71
Epoch 80	Loss: 0.0007	Accuracy: 1.0000	train.js:71
Training Complete			train.js:77

Assignment 2

Sentiment Testing

i love mlt

Predict

Sentiment: Positive 😊

Confidence Score: 0.99

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Model trained script.js:41

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Assignment 3

Dense vs RNN Comparison

This is terrible

Compare

Dense Model: Negative 😞 (0.45)

RNN Model: Positive 😊 (0.63)

Elements Console Sources Network >>

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Live reload enabled. index.html:85

Models trained successfully compare.js:70

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