

Introduction to Deep Learning

Assignment 4: On your own



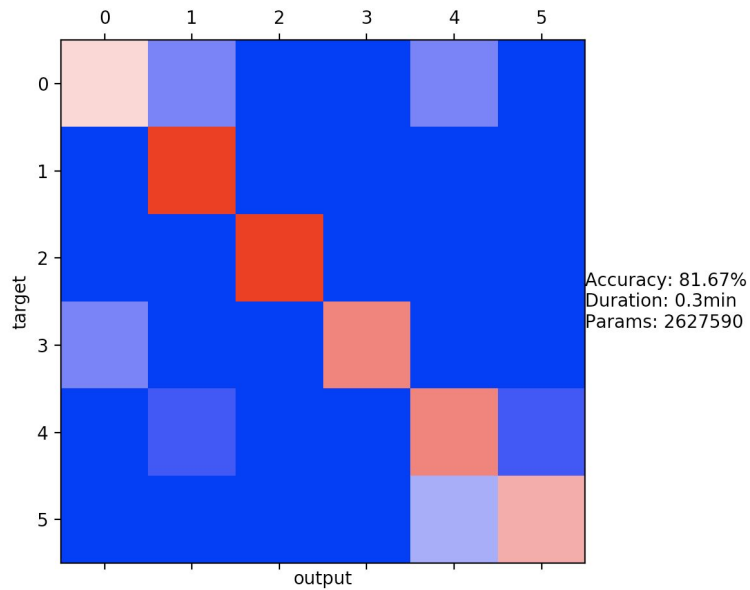
Course Code: ARI3214-SEM1-A-1920

Date: 14/01/2020

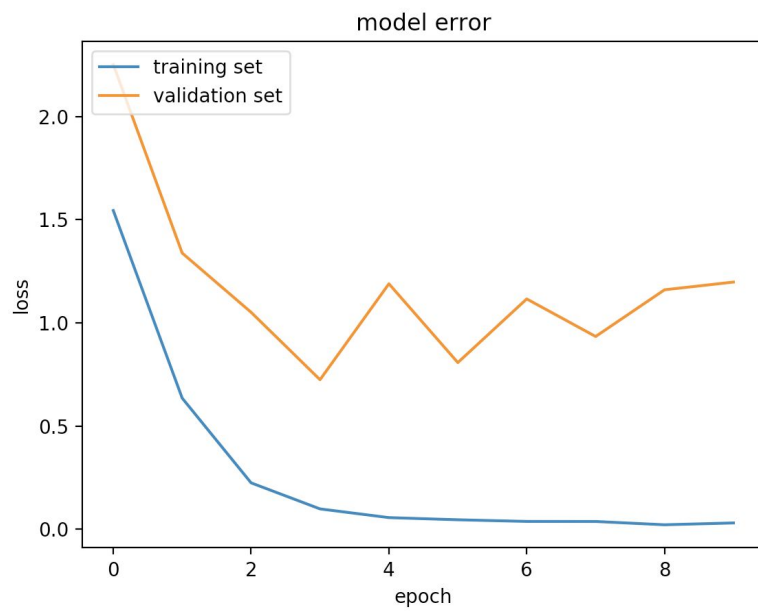
Student: Valerija Holomjova

Variation 1 - One Hot Encoding and Standard Feedforward NN

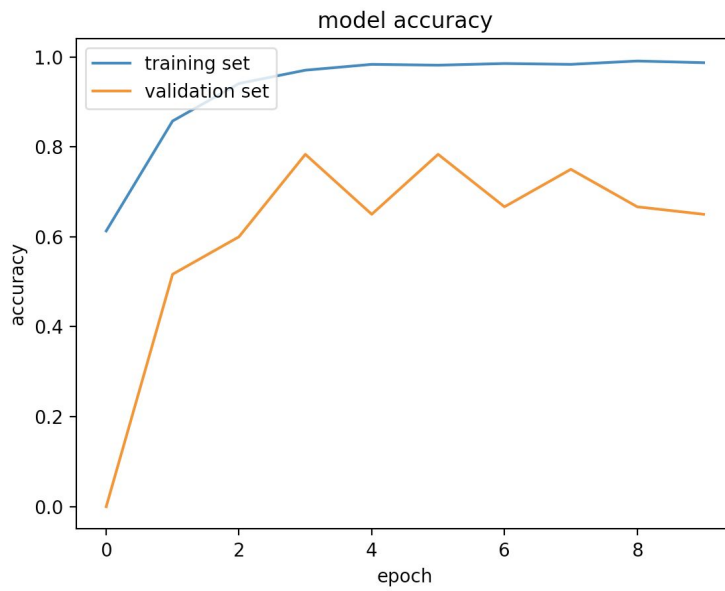
Confusion Matrix



Training Progress

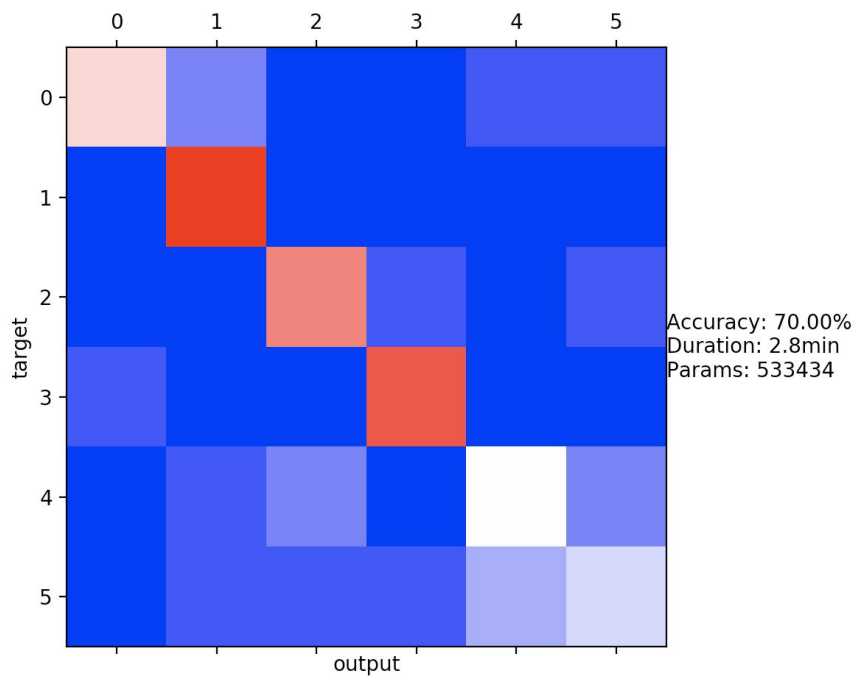


Training Accuracy

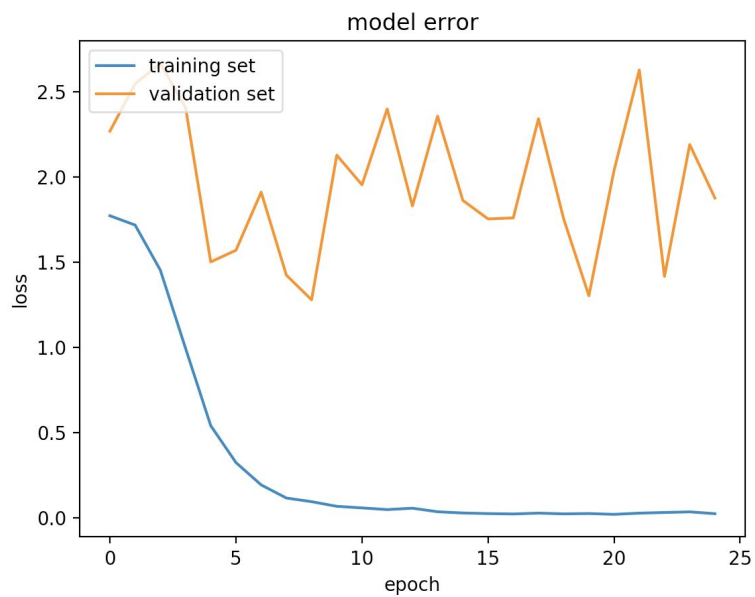


Variation 2 - Word Embeddings and RNN using GRU cell

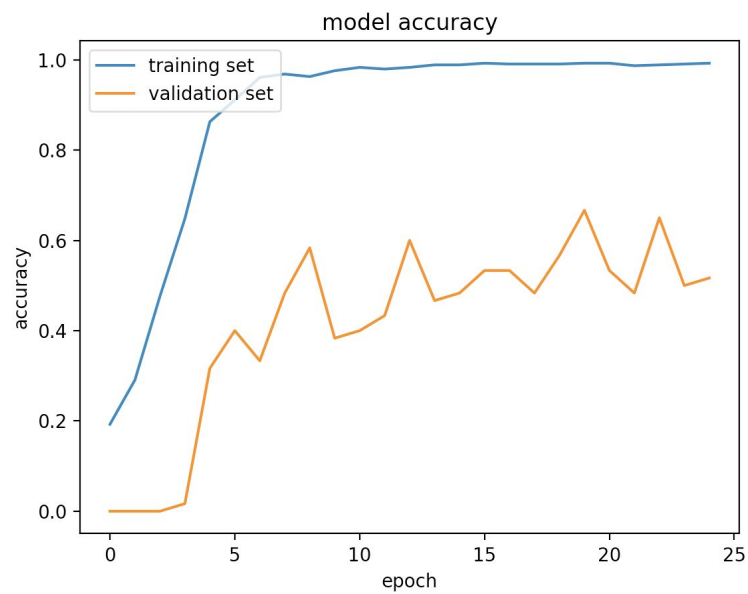
Confusion Matrix



Training Progress

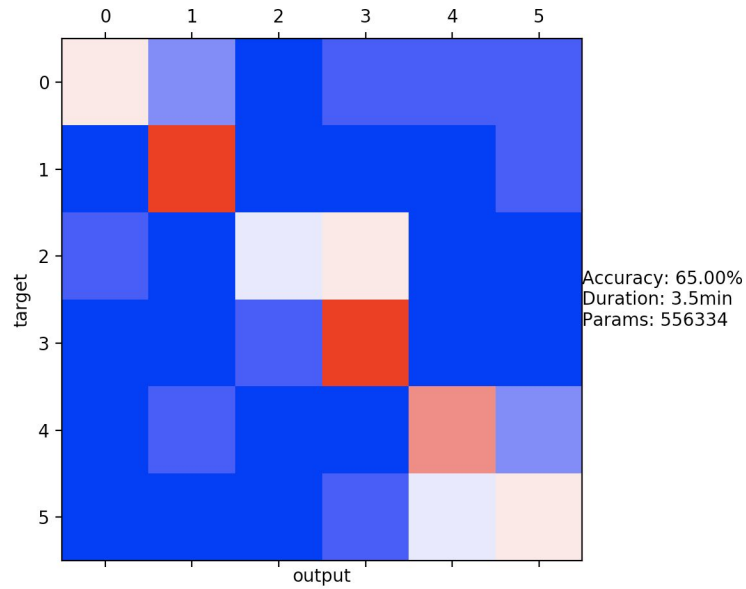


Training Accuracy

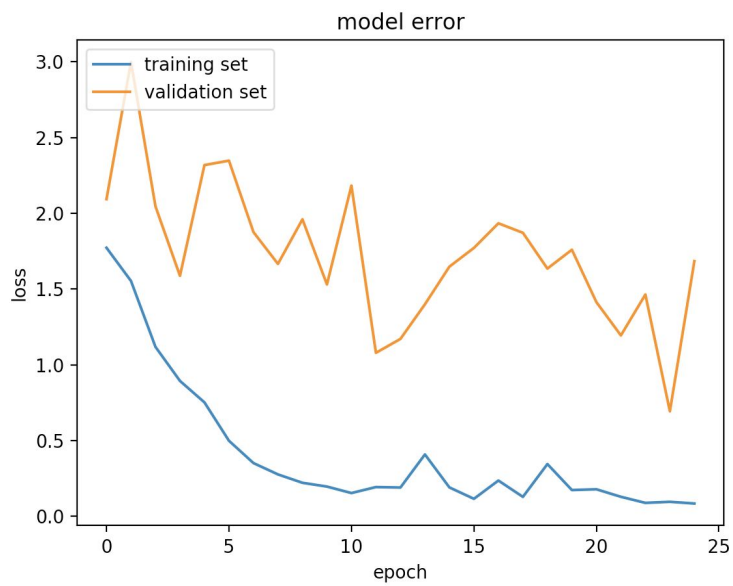


Variation 3 - Word Embeddings and RNN using LSTM cell

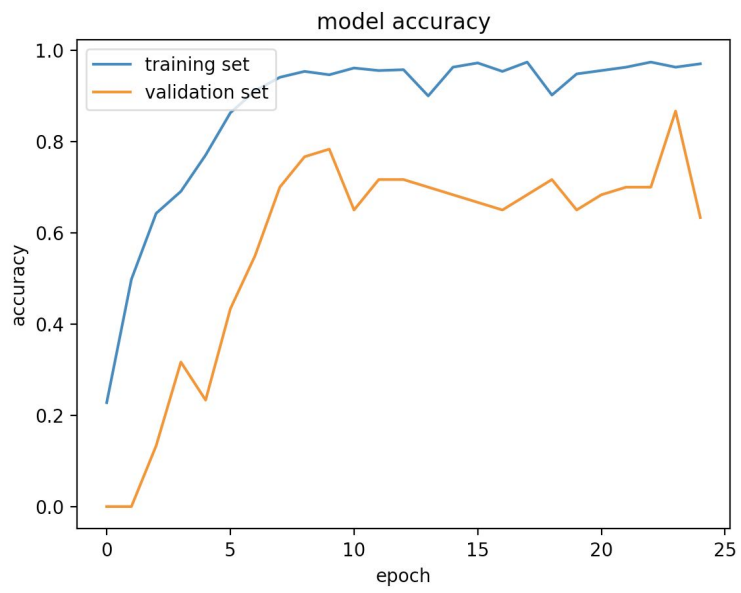
Confusion Matrix



Training Progress



Training Accuracy



Plagiarism Form

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY

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I / We*, the undersigned, declare that the [assignment / Assigned Practical Task report / Final Year Project report] submitted is my / our* work, except where acknowledged and referenced.

I / We* understand that the penalties for committing a breach of the regulations include loss of marks; cancellation of examination results; enforced suspension of studies; or expulsion from the degree programme.

Work submitted without this signed declaration will not be corrected, and will be given zero marks.

* Delete as appropriate.

(N. B. If the assignment is meant to be submitted anonymously, please sign this form and submit it to the Departmental Officer separately from the assignment).

Valenja Holamjova
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ARI3214
Course Code

Introduction to Deep Learning Assignment
Title of work submitted

14/01/2020
Date