

SGN-41007 Assignment Task 2

Predict competition classes using Keras.

- ▷ The second assignment task uses Keras for training a deep network with the competition data.
- ▷ A written report of the group solution is required (at least 1 page); due date Friday 1.3.2019 at 23:59. Return to Moodle.
- ▷ Two alternatives for reporting:
 1. Follow the instructions below.
 2. If you have over 0.70 on the public leaderboard, you may choose to write a free form report of what you did.

1. *Train a convolutional network with Keras.*

Train a recurrent network (LSTM or GRU) for the competition task and report the details and the resulting accuracy on the train/test split of Assignment task 1.

2. *Regularize the network.*

Add a L_1 regularizer to each layer and check the accuracy.

3. *Submit.*

Log in to Kaggle and submit your solution (if local CV suggest better accuracy than your best model).