**Meeting 29 april 2016**

Absent: Nathaneal

Future meetings: Thursdays, 12:30/13:30-17:30

Next meeting: May 12th, 12:30/13:30, location to be specified.

Flash talks: May 19th.

Diede absent: 9 juni (afternoon).

Roos absent: 9 juni.

Definitions:

- Traindata = Full data set of train images

- Trainset = Trainpart of the train data (2/3 of the traindata).

- Validationset = Validation part of the train data (1/3 of the traindata).

Challenge:

- Images all same format

- One label per image

- All possible actions/labels per passenger

- 22425 images in train data

- Use 1/3 for validation.

- Submission: Probabilities per class

- Can be 0, Kaggle accounts for it.

Discussed:

- Caffe features with poly kernel SVM/Decision Tree etc.

- Recognise motion vectors.

- Split train data into trainset and validationset

- Deep Neural Network for classification (Lasagne, Theano, TensorFlow ? )

- Make functions for importing data

- Read forum

- Get final layer of Caffe network (detect phones).

- Which number is phones

- Which number is drinks

- Use Cartesius of ml0902

Planning before first meeting (May 12th):

- Cut all images to 224x224(?).

- Import data

- Split train and validationset

- All images per person in the same set.

- Adjust Caffe script for last layer

- Research Forum

- Research motion vectors

- Research Tensor Flow

Done before flash talks, May 19th:

- Run Caffe script

- Make Flashtalks

- One submission

Meeting Maaike:

- May 19th, before flashtalks?

Tasks before next meeting:

Diede:

- Clean Git and divide into project 1 and 2.

- Import data

- Split train/validation

Roos:

- Caffe features

- Size photos network

Laurens:

- Research Tensor Flow

Danielle:

- Research

- Nathaneal added to Git

- Mail Maaike

- Reserve library room

Nathaneal:

- Read previous project

- Images cutten