Artificial neural networks and their applications

Tamás Grósz



Usefull informations

- Coospace forum, or groszt@inf.u-szeged.hu
- 2 Office hour: wednesday 15-16, Árpád square, office 49.

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Requirements

- **1** Written examination (10th of april), 10 points (min 5)
- Small coding project (more info latter), 20 points (min 10)
- **3** Written exam, 30 points (min 15)

Points	Final grade:
0 - 29:	1
30 - 39:	2
40 - 45:	3
45 - 54:	4
54 - 60:	5

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Syllabus

- Arificial neurons, Neural networks
- Training algorithm (Backpropagation)

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- Regularization
- Deep Neural Networks
- Activation functions
- Pre-training methods
- Convolutional neural networks
- Recurrent neural networks
- Reinforcement learning
- Generative networks



- google account
- university e-mail address (@stud.u-szeged.hu)

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- python programming language
- basics of machine learning