

Advanced Methods in Statistical Classification

SS 2013

Type	Schedule / Room	Start	Instructor
V3	Block course 01 April to 19th April Mo-Fr 10 ⁰⁰ – 11 ³⁰ 6124 Mo-Fr 14 ⁰⁰ – 15 ³⁰ 6124	01 April 01 April	Prof. Dr.-Ing. H. Ney
Ü2	t.b.a.	t.b.a.	t.b.a.

Content:

- Recapitulation of basic methods
- Discriminants and neural networks
- Training criteria.
- Log-linear modeling.
- Support vector machines.
- Classification- and regression trees.
- Boosting.
- Model selection.

Assignment:

Applied Computer Science or Field of Specialization

Requirements:

- Bachelor

References:

- B. D. Ripley. "Pattern recognition and neural networks", Cambridge University Press, Cambridge, 1997.
- J. Friedman, T. Hastie, R. Tibshirani. "The elements of statistical learning - Data mining, inference, and prediction", Springer, New York, 2001.

Others:

The Lehrstuhl also offers a seminar and a practical course. During both activities topics from speech and image object recognition are treated.

Enquiries to:

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