Supervised Learning

The supervisor:

Perrin Westrich

Outline

➢ What is supervised learning?

➢ What is it used for?

➢ Approaches

What is supervised learning?

- A machine learning technique

- Training data

- Validation

Approaches

➤ Neural networks

➤ Decision trees

➤ Inductive Logic Programming

What is it used for?

➢ Handwriting recognition

➢ Speech recognition

➢ Spam detection

Conclusion

- What is supervised learning?
  - Training Data
  - Validation

- What is it used for?
  - Handwriting recognition
  - Speech recognition
  - Spam detection

- Approaches
  - Neural nets
  - Decision trees

References

- http://en.wikipedia.org/wiki/Supervised_learning

- http://en.wikipedia.org/wiki/Training_set

- http://www.cs.duke.edu/~mlittman/courses/cps271/lect-10/node3.html

- http://www.shef.ac.uk/psychology/gurney/notes/l10/subsubsection3_3_6_2.html

- http://www.anc.ed.ac.uk/rbf/intro/node3.html