

Machine Translation (PV061)

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Technical information

- ▶ Exam: written ~ 5-8 questions
 - ▶ max 50 points
- ▶ 25 point to pass
- ▶ extra points (max 25) for homeworks, projects
 - ▶ find good examples, illustrations
 - ▶ code, language, pictures

Previous knowledge

- ▶ no special requirements
 - ▶ reading mathematics
 - ▶ probabilities
- ▶ examples in Python
 - ▶ NumPy, PyTorch (matrix operations)

Approaches to MT

- ▶ rule based
 - ▶ rules from experts
 - ▶ no data
- ▶ statistical
 - ▶ structure/model from experts
 - ▶ optimization of parameters from data
 - ▶ some data
- ▶ neural (deep learning)
 - ▶ everything from data
 - ▶ huge amount of data
- ▶ usually a combination