Meta-cognition evaluation
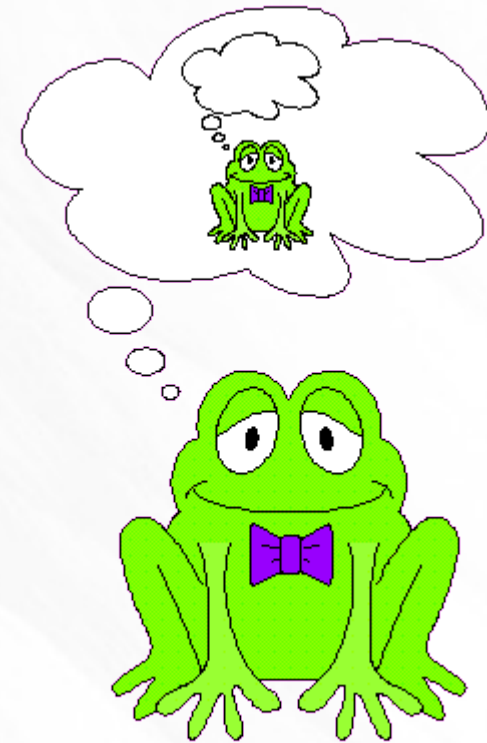
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https://github.com/mihaimaruseac/nlp

Metacognition

- Thinking about knowing
- Learning about thinking
- Control of learning

Metacognition Evaluation

- Monitor the learning process

- Divide learning process in sub-tasks

- Metacognitive knowledge:
  - Declarative (what)
  - Procedural (how)
  - Conditional (when, why)

Procedure

- Cue phrases => Main ideas
- LSA/PLSA/DSA + Lexical Chains
  - Higher dimensional vector of words

- Same treatment for original
  - Or presplit and precomputed

Evaluation

- For each idea: cosine similarity

- Average over all ideas with weights depending on idea's importance

- Score is given by this mean

Thanks