

Master thesis at the Technische Universität Berlin

Developing models of dynamic decision making during category learning with ACT-R

Understanding how dynamic decision making during category learning works, is required in many fields, from medicine to air traffic control.

Cognitive models have the potential to unravel the mechanisms behind human decision making.

The objective of this thesis is to develop and compare different modeling concepts to obtain a better understanding of how human use strategies to solve problems in a changing environment.

Empirical data, as well as a lisp implantation of the dynamic decision making experiment exist. Your work would be to develop models with ACT-R and compare their performance.

The optimal candidate has a strong interest and knowledge in:

- **ACT-R** – theory and modeling
- **Methodolgy** – ways of differentiating models

- The thesis will be supervised by Sabine Prezenski and Nele Rußwinkel from the department of cognitive modeling in dynamic human machine systems at Technische Universität Berlin in Berlin, Germany.
- Starting as soon as possible.

To find out more please contact me:

sabine.prezenski@tu-berlin.de

