Intro & Formalia

- 6 CP pass/fail only

- BA students only can get credits

- No in-presence attendance required, no exam

- Participation in 1 debate (any side) and 2 pitches (both sides) = pass

- Contents, slides, tasks etc. are in the <u>Webbook</u>

- All organizational stuff is on <u>Moodle</u>

- Schedule and addresses are on <u>Alma</u>

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Statistical Nature of LLMs

- LLM is a neural network with hundreds of millions to billions parameters that is pertained on a volume of text no human being can ever consume in a lifetime. The goal of the training is to approximate the data distribution

  - LLM is a function that takes an input string and returns the most probable output string

  - LLMs are very sensitive, wording can alter the output [3]

  - LLMs are not continuously updating and cannot produce new knowledge [3] (?)

  - => LLM is a complex statistical model of how the words and phrases in its training data correlate [1]

- LLMs have no biological properties of humans

  - LLMs have no (innate) motivation or goal, prior experience etc.

  - LLMs have no embodiment, which is argued to be one of the prerequisites for intelligence; they cannot see and touch objects, cannot move etc.

  - => They lack reference, a key for inferring the meaning (is it?)

  - => LLMs only infer the form of the language but not the meaning [1]

But what about their performance on the tests for Natural Language Understanding (NLU)?