

## P01 – Reading Assignment

### 1. Background

Artificial Intelligence (AI) is a very broad interdisciplinary field with contributions from many distinct technical and philosophical disciplines. It is also a very active and rapidly developing area of research. Hence, a wide body of different approaches and methods exist. Because this cannot be covered by any one single course, we thus bring you in contact with relevant literature right from the start.

On the course site you find the following references (among others):

- Kenneth M. Ford, Patrick J. Hayes, Clark Glymour, James Allen: *"Cognitive Orthoses: Toward Human-Centered AI"*, AI Magazine, winter 2015, pp. 5-8, 2015.
- Tim Urban, *"The Artificial Intelligence Revolution"*, Wait but why? blog, 22.01.2015-27.01.2015.

AI often has a polarizing effect on experts and laymen alike. For example, in just about the last 10-15 years, public opinion has changed from "this cannot be done" to "AI will kill us all" and "AI will save our industry" (according to personal level of optimism). Read the two articles (one from a renowned scientific magazine, one from a popular blog), and make up your mind what side of the discussion "AI: helpful or harmful" you would take, and why.

Accomplish the following reading assignment tasks 2 – 3 in the given order. Take brief but distinct notes on

- what is interesting to you
- seems relevant for the future
- is not understandable at the moment

while you read (this can also be done digitally and/or with underlining in the texts).

To summarize your notes, write a short blog post according to task 4.

Then, install Anaconda Python to be ready for the next labs (see P02 for instructions).

### 2. Cognitive Orthoses: Toward Human-Centered AI

Notes:

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### 3. The Artificial Intelligence Revolution

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## 4. Summarizing blog post

Create a blog (if you have none yet; might be private/non-public) and write a short post ( $\geq \frac{3}{4}$  page) along the lines of your notes here. Then, at the end of this semester, revisit your blog and post a reply: Do you still hold the same views? Additionally, comment on at least two posts of fellow students. Take particular care for the structure of your arguments & the clearness of your thoughts and presentation. Discuss your posts (pre- and post-semester) with the tutor. To start, summarize your reading in 3 facts (anything you find interesting/profound) and 2 questions (something you didn't understand or where you have follow-up questions):

Fact 1:

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Fact 2:

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Fact 3:

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Question 1:

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Question 2:

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