Artificial Intelligence in everyday life - benefits and dangers for the humans

1.0 What is Artificial Intelligence?
1.1 The definition of Artificial Intelligence

The expression A. I. (Artificial Intelligence) leads to the common misunderstanding that A. I. is the perfect replica of the human mind, an A. I. who can think and adapt like a human without any help from the outside. In science the expression is only a broad term for the whole field of what A. I. research really is.[1]

1.2 The different kinds of A. I.

In the scientific world there are many categories in the A. I. field. The main distinction is between a weak or strong Artificial Intelligence. A weak A.I. is something like a personal assistance that is trained for a specific task only; on the other hand, a strong A. I. is something that can learn and complete tasks without any help of a human. After that A. I. is categorized into four types. These are two types which currently exist and two types which are only thought experiences.[2]

2.0 What are the benefits for the human population?
2.1 Reducing traffic accidents and saving space

In everyday life the implementation of self-driving cars reduces traffic accidents and injuries as these machines can react faster and more precisely than any human could ever do, thus eliminating all the careless action done by humans. Even the parking spaces needed by cars could be greatly reduced when a car doesn't need to wait for his/her driver anymore and just go around and completes tasks like refueling itself or picking up another passenger and transport them.[3]

2.2 Helping humans with their social life

A. I. systems like Siri or Alexa have already been introduced into our everyday life. They are helpful with many tasks like controlling your home by your voice. Humans could also use them for making important appointments and reducing their stress in everyday life[4]. There really is no limit how we as humans could benefit from A. I.

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[1] Marr, Bernard, Definition of A.I. (2018), online at:
https://www.forbes.com/sites/bernardmarr/2018/02/14/the-key-definitions-of-artificial-intelligence-ai-that-explain-itsimportance/#5257675b4f5d (accessed Feb 24th, 2019)

[2] Rouse, Margaret, Distinction of A.I. (2018), online at:
https://searchenterpriseai.techtarget.com/definition/AI-Artificial-Intelligence (accessed Feb 24th, 2019)

[3] Ohio University (ed.), Self-Driving Cars, online at:
https://onlinemasters.ohio.edu/blog/the-future-of-driving/ (accessed Feb 24th, 2019)

[4] Grubb, Jeffrey, Making appointments (2018), online at:
https://www.youtube.com/watch?v=D5VN56jQMWM (accessed Feb 24th, 2019)

3.0 What are the risks for the human population?

3.1 Losing your job to an A. I.

We as human should also be wary of A. I. While it is true that A. I. improves job conditions for some, it could also eliminate 30% of the current jobs till 2030. For most humans it means they will have to re-train and learn new skills if they want to survive in the modern world. However, it also means that many humans are going to be left behind.[5]

3.2 The problem of A. I. becoming self-aware

What have Elon Musk, Steven Hawkins and other big names in the tech and science world got to do with Artificial Intelligence? They are clear opponents of A. I.[6] All of them warn us of the potential dangers of Artificial Intelligence. The idea that an A. I. becomes self-aware and tries to eradicate us is nothing new: Countless books and movies used this theme before.

4.0 What we as humans should carefully think about when implementing Artificial Intelligence

When it comes to A. I., scientists have a massive responsibility. On the one hand, A. I. is a huge help for the world of science, industry and our everyday life. It can help us solve many problems and eradicate dangerous tasks for humans. But on the other hand, there are many problems that A. I. causes. Artificial Intelligence isn't just a threat for jobs, it is can also be a threat to human life. A drone or a specially designed war machine[7] equipped with an A. I. could be extremely dangerous for humans. An A. I. doesn't question the decision, it just follows its order. In the end nobody can be sure when the time is that an A. I. becomes self-aware. But when it happens, it is the time when Artificial Intelligence is implemented everywhere and is given all the control and power over itself and the machine that it is using.

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[5] McClelland, Calum, Loss of the job (2018), online at:
https://www.iotforall.com/impact-of-artificial-intelligence-job-losses/ (accessed Feb 24th, 2019)

[6] TechStaff, Danger of A. I. (2018), online at:
https://www.techworld.com/picture-gallery/apps-wearables/tech-leaders-warned-us-that-robots-will-kill-us-all-3611611/
(accessed Mar 8th, 2019)

[7] Airsource Military, A. I. for the military (2014), online at:
https://www.youtube.com/watch?v=arIJm2lAfR8 (accessed Mar 8th, 2019)

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