



Innovation in Healthcare: Artificial Intelligence and Robotics



Richard Price
Richard.Price@hee.nhs.uk
@RichardPriceUK

Dear colleagues

I very much hope you enjoyed my workshop focussing on Artificial Intelligence in Healthcare at the HEE East of England event on 20 March 2019. I enjoyed meeting you all and having some fun with the AI-powered tools on the day.

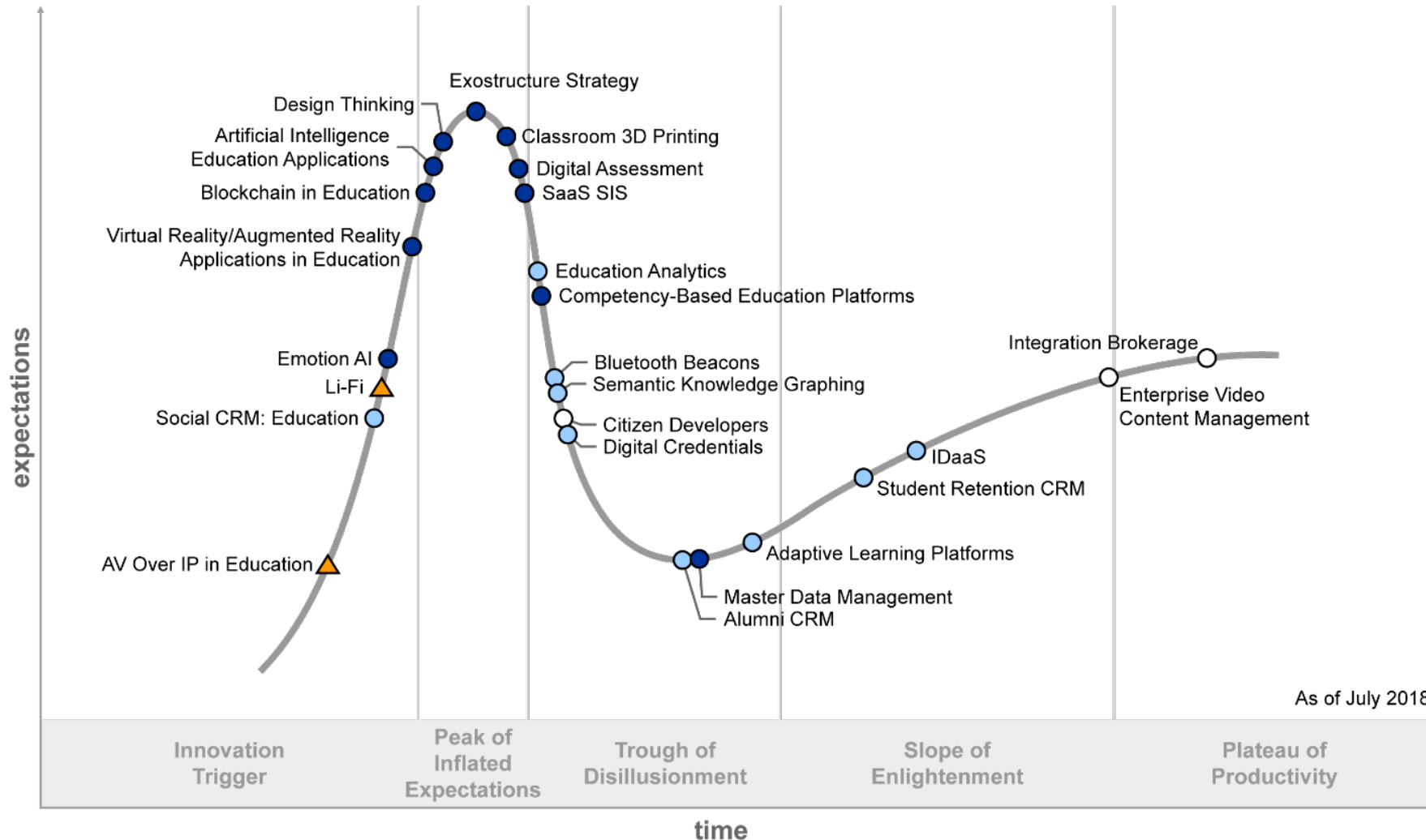
I have put together this slide pack for you with links to the relevant references and resources from the workshop so that you can find out more and use them in your own teaching sessions.

You can find out more about the work of the HEE TEL Programme here:
<https://hee.nhs.uk/te/>

We're also running a MOOC about AI in Healthcare on the FutureLearn platform in partnership the University of Manchester. This will be starting in October 2019, so it will be great to have as many of you join us as possible!

My contact details are above if you would like to get in touch.

Richard

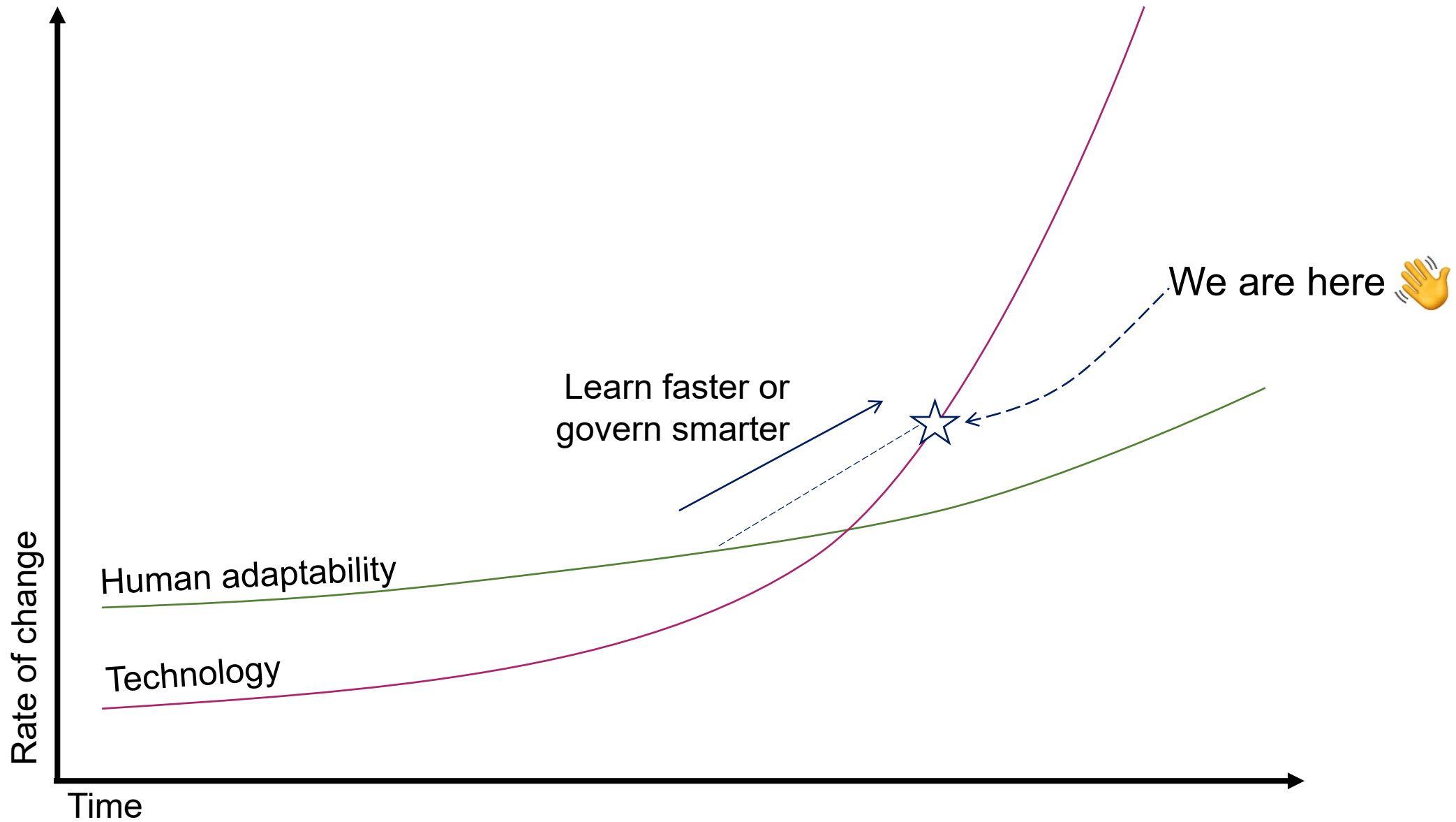


As of July 2018

Plateau will be reached:

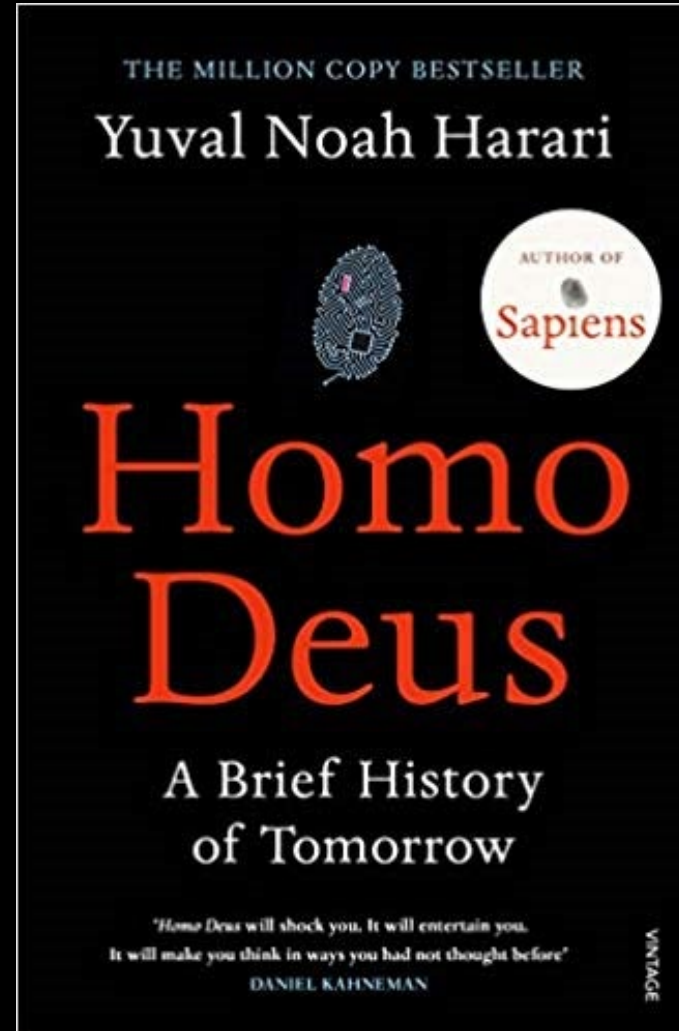
- less than 2 years
- 2 to 5 years
- 5 to 10 years
- ▲ more than 10 years
- ⊗ obsolete before plateau

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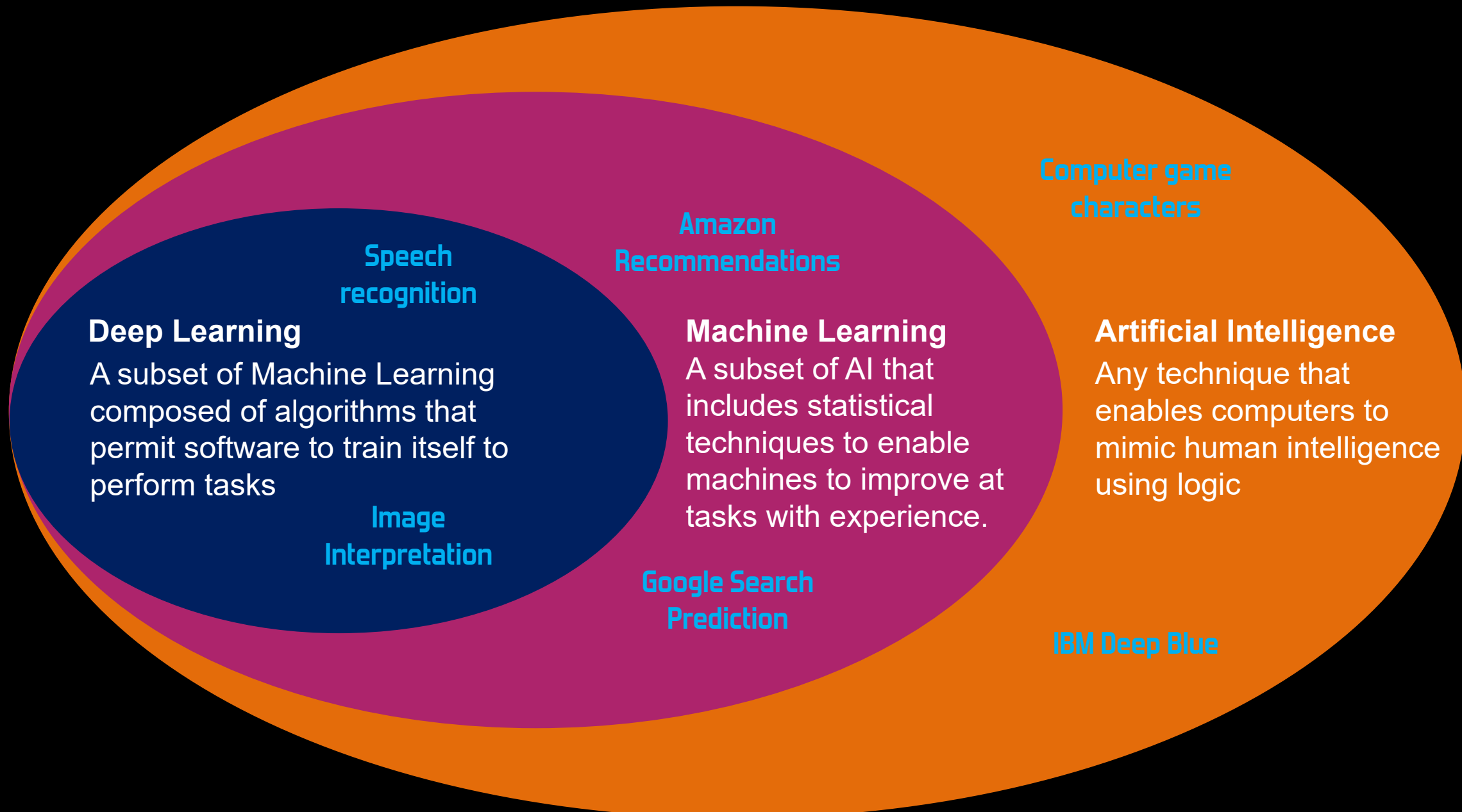




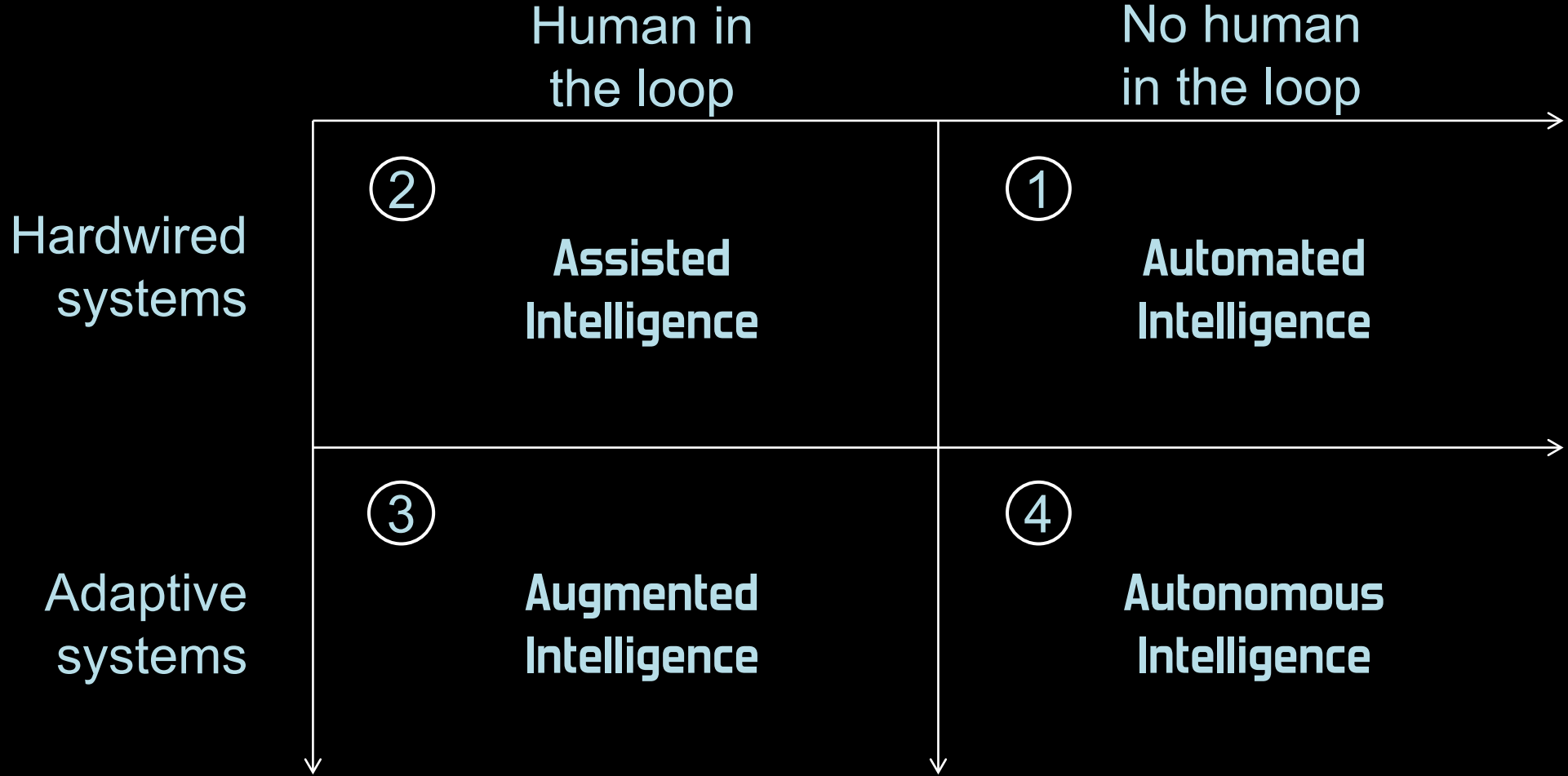
Klaus Schwab (2017)
The Fourth Industrial Revolution



Yuval Noah Harari (2017)
Homo Deus: A Brief History of Tomorrow



Richard Price (2019). Adapted from Dande (2017) *What is the difference between AI, machine learning and deep learning?* Available from: <https://www.geospatialworld.net/blogs/difference-between-ai%EF%BB%BF-machine-learning-and-deep-learning/>



AI or Human References

x.AI: <https://www.bloomberg.com/news/articles/2016-04-18/the-humans-hiding-behind-the-chatbots>

Spinvox: <https://www.theguardian.com/technology/2018/jul/06/artificial-intelligence-ai-humans-bots-tech-companies>

Cogito: <https://www.forbes.com/sites/robertadams/2017/01/10/10-powerful-examples-of-artificial-intelligence-in-use-today/>

Department of Health and Social Care AI Code of Conduct:

<https://www.gov.uk/government/publications/code-of-conduct-for-data-driven-health-and-care-technology>

Topol Review:

Eric Topol Video: <https://www.youtube.com/watch?v=f2UTxtgSFzU>

Full Topol Report and resources: <https://topol.hee.nhs.uk>

HEE Digital Capabilites Framework

Framework: <https://www.hee.nhs.uk/our-work/digital-literacy>

Support Tool: <https://hee.mp.filtered.com>

HEE Thinking Styles Self-Assessment tool

Support Tool: <https://survey.scaledinsights.com/HealthEducationEngland>

Richard Price

Email: Richard.Price@hee.nhs.uk

Twitter/LinkedIn: [@RichardPriceUK](#)



TEL Programme

