

# IoT, Big Data and AI: Innovating STEM Teaching Through Strengthening Teacher Professionalisation

## Technical Training Session #2:

### “What is Big Data, What is Artificial Intelligence (AI)?

Friday, 22 October 2021 | 13:30 – 15:00 (CEST)

Join Us at the Technical Training Session:

<https://zoom.us/j/437007825?pwd=K2I2QU1FdWFkN3YzWEFwNzMrUjBFUT09>

Password: classnet

## Introduction

Today we live in a world that is reliant on Big Data and Artificial Intelligence (AI) across all societal sectors and investment in AI is growing fast: in industry, economics, healthcare, information security, communication, and education. This exponential growth of AI creates new learning and job opportunities today.

To keep up with today's societies that are constantly advanced by the use of AI and Big Data, the world needs more AI and Data Scientists. To motivate today's young learners towards STEM subjects related to AI and Big Data, it is important that they are provided with opportunities to expose themselves to scenarios that help them be curious and be aware of AI and Big Data and develop a basic understanding about them. This Session will provide participating teachers and students the basic knowledge needed to understand what AI and Big Data are, how they are related, and how they work.

## About the Speakers & Facilitators



**Prof Aleksandra PRZEGALINSKA**  
Vice-Rector and an Associate Professor  
Kozminski University

Aleksandra is currently the Vice-Rector and an Associate Professor at the Kozminski University. She is also the Leader of the AI in Management Program in the same institution. Until recently, she conducted research at the Center for Collective Intelligence at the Massachusetts Institute of Technology in Boston. She graduated from The New School for Social Research in New York. In the spring of 2021 started short Senior Research Fellowship in the American Institute for Economic Research. She is interested in the development of new technologies, natural language processing, humanoid artificial intelligence, social robots, and wearable technologies. She is the author of Collaborative Society (The MIT Press) <http://www.collaborativesociety.net/>, which is published together with Professor Dariusz Jemielniak.

## Recommended Reading List

- 1) What are AI and Big Data? by World Economic Forum  
<https://www.youtube.com/watch?v=uD8Dbozzod4>
- 2) What is Big Data? By Oracle  
<https://www.oracle.com/sg/big-data/what-is-big-data/>
- 3) History of Big Data by SAS  
[https://www.sas.com/en\\_sg/insights/big-data/what-is-big-data.html](https://www.sas.com/en_sg/insights/big-data/what-is-big-data.html)
- 4) The 4 Vs of Big Data by Open Sistemas  
<https://opensistemas.com/en/the-four-vs-of-big-data/>
- 5) Talking Big Data and Analytics with IBM by Forbes  
<https://www.forbes.com/sites/chrisversace/2014/04/01/talking-big-data-and-analytics-with-ibm/?sh=b090e91a66e3>