

Data and Semantic Technologies for Education

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Abstract

In a recent report McKinsey estimated that the impact of data-driven technologies on education in the US will be between \$890 billion and \$1.2 trillion over the next few years through a number of mechanisms. In this talk I will cover a number of data solutions we are creating within the Knowledge Media Institute at the Open University which will improve the educational experience for Open University students and also students across Europe. This work covers a number of European projects including the European Data Science Academy, which address the skills gap in Data Science and FORGE which is turning large Future Internet computational infrastructures into learning resources accessible via eBooks. I will also cover OU Analyse a learning analytics tool which has already been deployed to course teams representing over 40,000 OU students.