

Will data help us to address future challenges?

It has become an often repeated claim that data will be important to address future challenges we are facing. In this talk I will address two distinct cases, health care and energy, and see what the current state of the art of data-driven research is and what obstacles we face to move forward. I argue that data-driven methods have shown significant potential to solve problems previously thought of being too hard to solve. I will look at two very different cases, personal medicine and fusion, in which very different approaches towards data elucidate why it is important to talk about knowledge rather than data to foster scientific progress. I will end with focusing on what we can improve to move forward in data-driven science.

References

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