

# Bigdata from the viewpoint of an econometrician: What is it? How useful is it? How to master it?

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## Outline

1. What is bigdata? Why is it so hot recently?
2. How is big data different from small data? 3 cases with bigdata as winners
3. Process of data analytics
4. What are the popular and important algorithms for data mining?
5. Data mining vs statistical analysis
6. Data mining, machine learning, deep learning, artificial intelligence
7. Text mining and its application in finance
8. How to handle *big (massive)* data? Parallel computing? Distributed file system?
9. Choosing between *R*, *Python* or *Java*, or all of them?
10. Big data in R