Are our knowledge graphs trustworthy?

International workshop on knowledge science

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Knowledge graphs are machine-readable data organised for general-purpose use.
Applications in search, recommenders, virtual assistants, enterprise data integration etc.

Used in AI systems alongside machine learning as source of domain knowledge, transfer learning, explanations
Can we trust them?
What do we mean by trust?

Process (knowledge engineering) vs outcome (knowledge graph as a resource)

Frameworks, methods, guidance on trustworthy AI, data quality, data interoperability standards
We know how good the data is
We know where the data comes from
We audit our data to make it less biased.
We know how the data was created
We know who created the data
We know how the data is used.
Empirical knowledge engineering
Knowledge graphs and language models
Regulatory compliance