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Conservative Repurposing RDF Data

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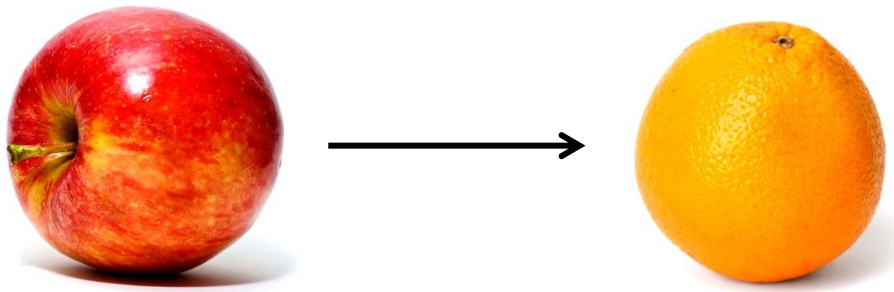
Motivation:
Transforming RDF data into different vocabulary



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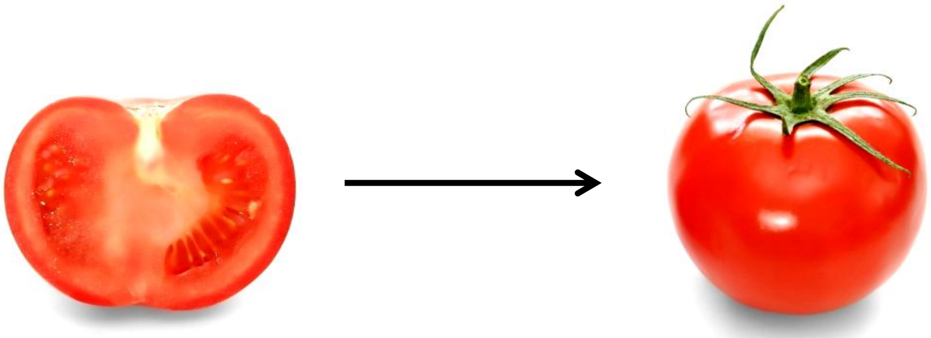
- “How do I make sure information is not lost?”
- “Can I get back my original data?”
- “Is it safe to merge with existing data?”
- “Can I add more information to the target?”

Solution: Conservative RDF Transformations



- Homomorphism (1) with back-conditions (2):
  1. Systematic transformation of the source.
  2. Non-distortive representation of the source at the target.
- Different back-conditions give:
  - exact, merger or extending transformations.
- Applies also to SPARQL CONSTRUCT queries:
  - “Is my construct query a conservative transformation?”

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- I have:
  - Poster.
  - Live demo.
  - Handouts.