

Supply Chain Analytics – Keeping it Private and Safe

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Scientific Questions

- Recycled content rate verification and validation
- Supply chain data protecting with Graph



Recycling content rate validation and verification



Supply chain data protecting with Graph



Example: How is the privacy leaked?

Assume: Data analysts ask each supplier to report the upstream and downstream business relationships

v_1	v_2	v_3	v_4	v_5	v_6	v_7	v_8
<mark>5</mark> ,6,7	<mark>5</mark> ,7	6,7	<mark>5</mark> ,6	1,2,4,8	1,3,4,8	1,2,3,8	<mark>5</mark> ,6,7



Solutions for Protecting Graph Data

- k-Anonymous
- I-Diversity
- t-Closeness
- Differential Privacy







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Any Question

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