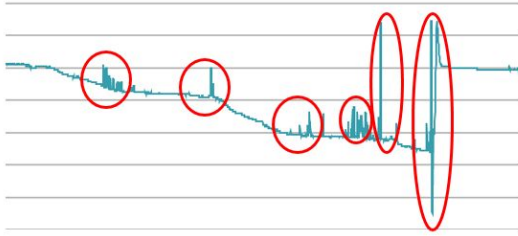


UNCERTAINTY IN DATA: A SURVEY ON PROBABILISTIC DATABASES

Desh Raj & Kanhaiya Rath

THE NEED TO STORE UNCERTAIN DATA AND LEVELS OF



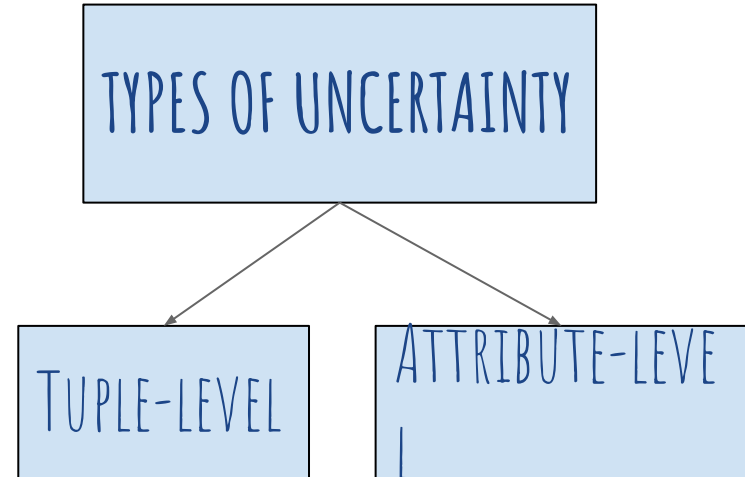
NOISY SENSOR
DATA



INFORMATION
RETRIEVAL



SECURITY AND PRIVACY



WHAT CONSISTS A QUERY AND HOW IS IT PROCESSED?

- PROJECTION
- SELECTION
- JOIN
- POOLING
- EXTENSION
- THRESHOLD



PROBABILISTIC INFERENCE AND LINEAGE EVALUATION - TOGETHER VS SEPARATE



DATABASE CONDITIONING IS
DONE TO MAKE PROBABILITY
COMPUTATION FASTER.

BY REMOVING BRANCHES AT
EVERY STEP.

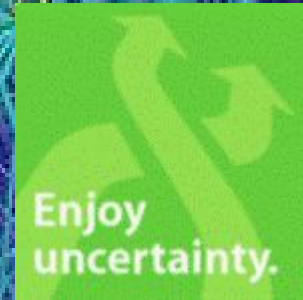


- MONTE CARLO SIMULATION
- DAVID PUTNAM METHOD

Probabilistic databases are not popular!

Scaling has not been
successfully implemented.

MayBMS (Cornell, Oxford) and
Trio (Stanford) are only
prototypes.



A white rectangular card is centered against a solid blue background. The card is held at the top by a grey, textured clip. The words "THANK YOU" are printed in the center of the card in a bold, dark blue, sans-serif font.

THANK YOU