

1. MOTIVATION

Worker with too many files to read



More and more common with the rate of data growth in the planet

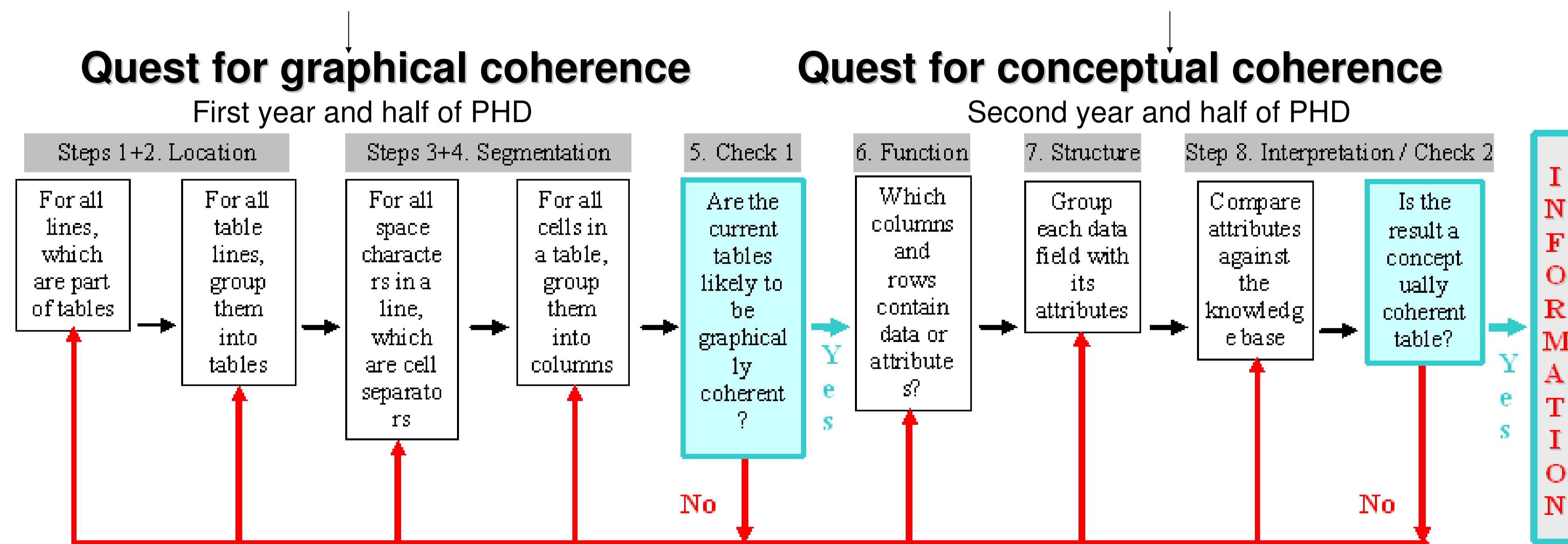
But the gist of many professional / web documents is often in tables

2. RESEARCH GOAL

Automatically extracting information from tables in unstructured sources into databases OR tagging data in on-line tables with its relevant context will help workers cope with a flood of data AND will render data collection generally more efficient

3. PROCESS

A TABLE IS A GRID-LIKE STRUCTURE WHERE ITEMS ARE ALIGNED AND THIS GRAPHICAL COHERENCE CARRIES WITH IT A CONCEPTUAL COHERENCE



As important as how each step performs individually is how they interact.

4. RESULTS SO FAR

	Complete - ness	Purity	F- Measure
Step 1+2	98%	2%	90%
Step 3	100%	100%	100%
Step 4	84%	90%	76%

5. SO WHAT'S NEW?

- Optimising the balance between tractability AND deferral of decisions to as late as possible by maintaining multiple hypotheses probabilistically and pruning out unlikely ones
- Dynamically integrating context knowledge representations to control the formation of the table and select between alternative models