Popup Lab

Frontiers in Digital Scholarship

DTL|Digital Arts Initiative
Interacting Minds Centre|Aarhus University

"From the dawn of civilization until 2003, humankind generated five exabytes of data. Now we produce five exabytes every two days [...] and the **pace is accelerating**"

Eric Smith

"[I]ncreasingly, scientific breakthroughs will be **powered by advanced computing capabilities** that help researchers manipulate and explore massive datasets."

Jim Gray

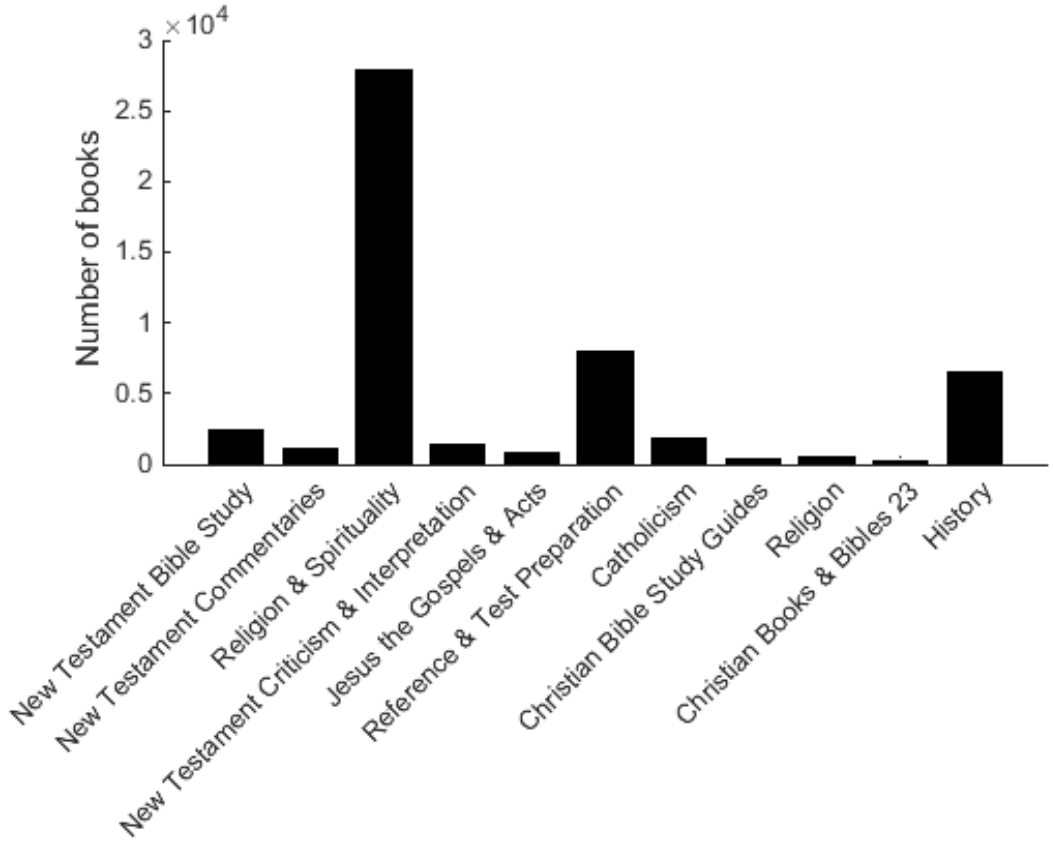
$\Rightarrow$ **4th paradigm** data-intensive science/eScience is and has been a reality for quite a while in the sciences

“a limited understanding of the scope, advantages, and limitations of data-intensive methods [...] have created real obstacles to the implementation of this paradigm in historical research”

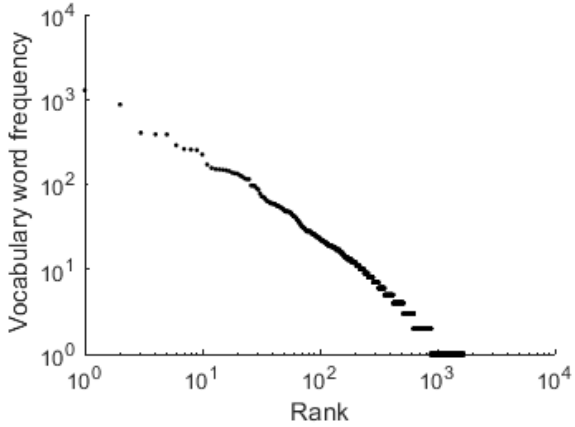
Text analysis in the humanities

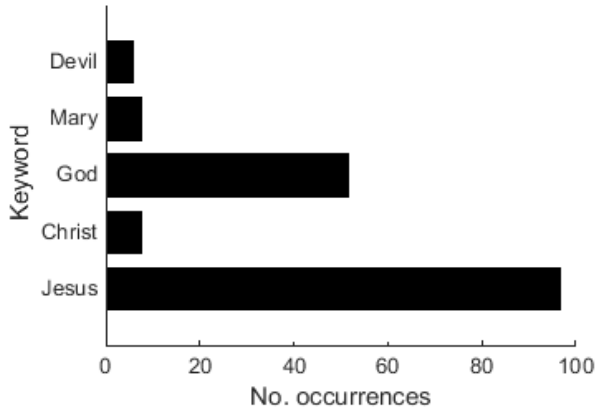
Gospel of Marc (KJV) $\sim$ 16500 words in 16 chp. on 11 p.

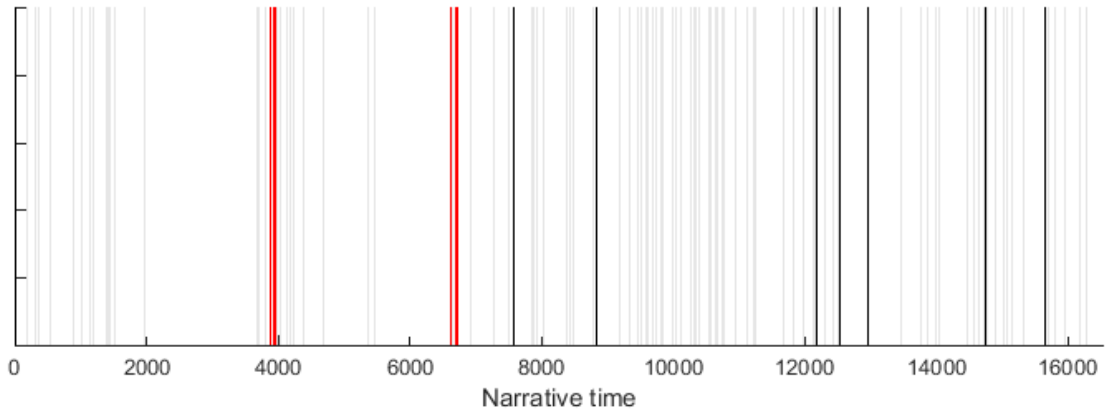
Close reading

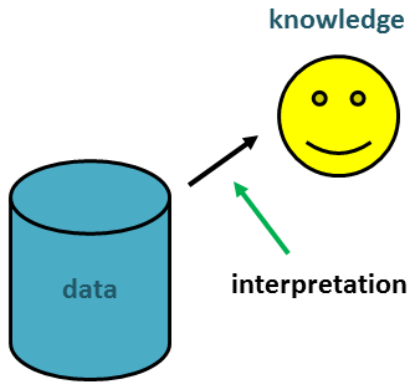


Myopic reading





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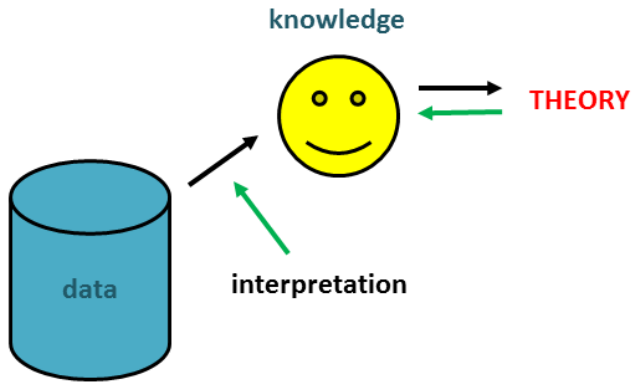
knowledge
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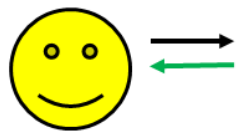
interpretation

knowledge



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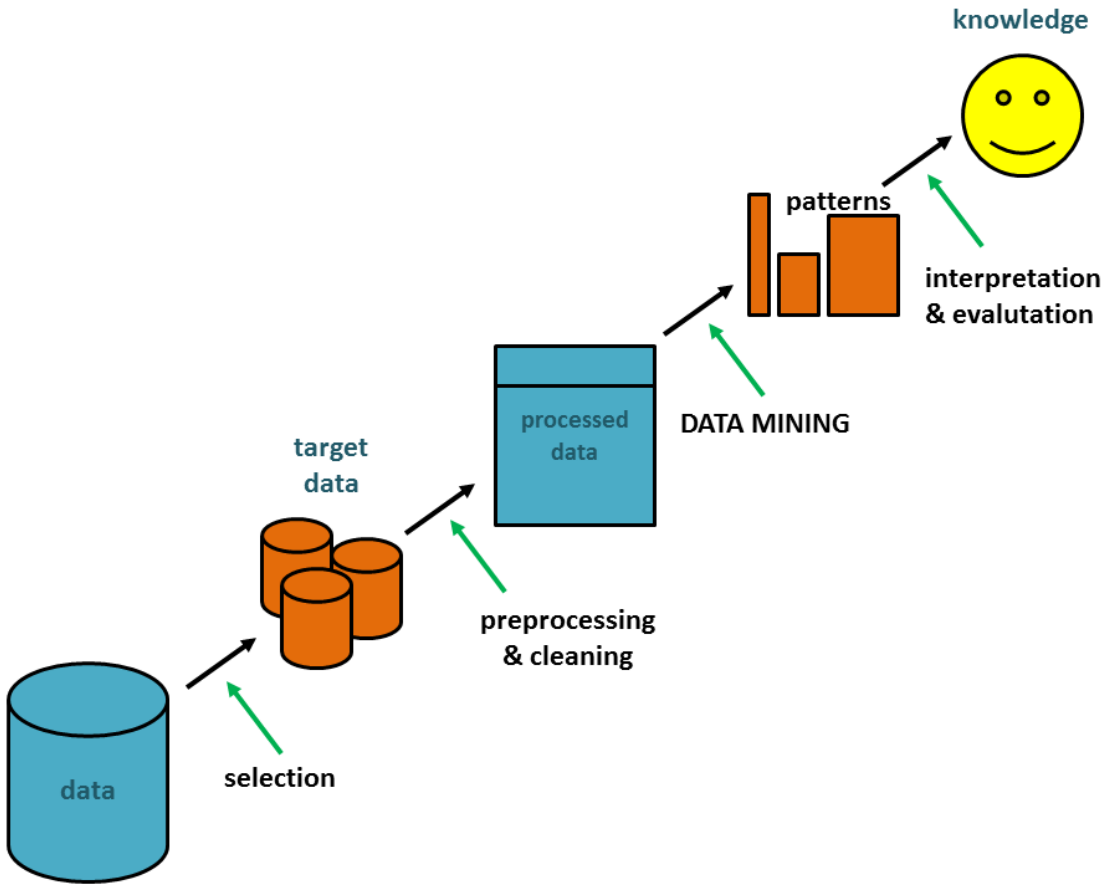
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DATA MINING
target
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preprocessing
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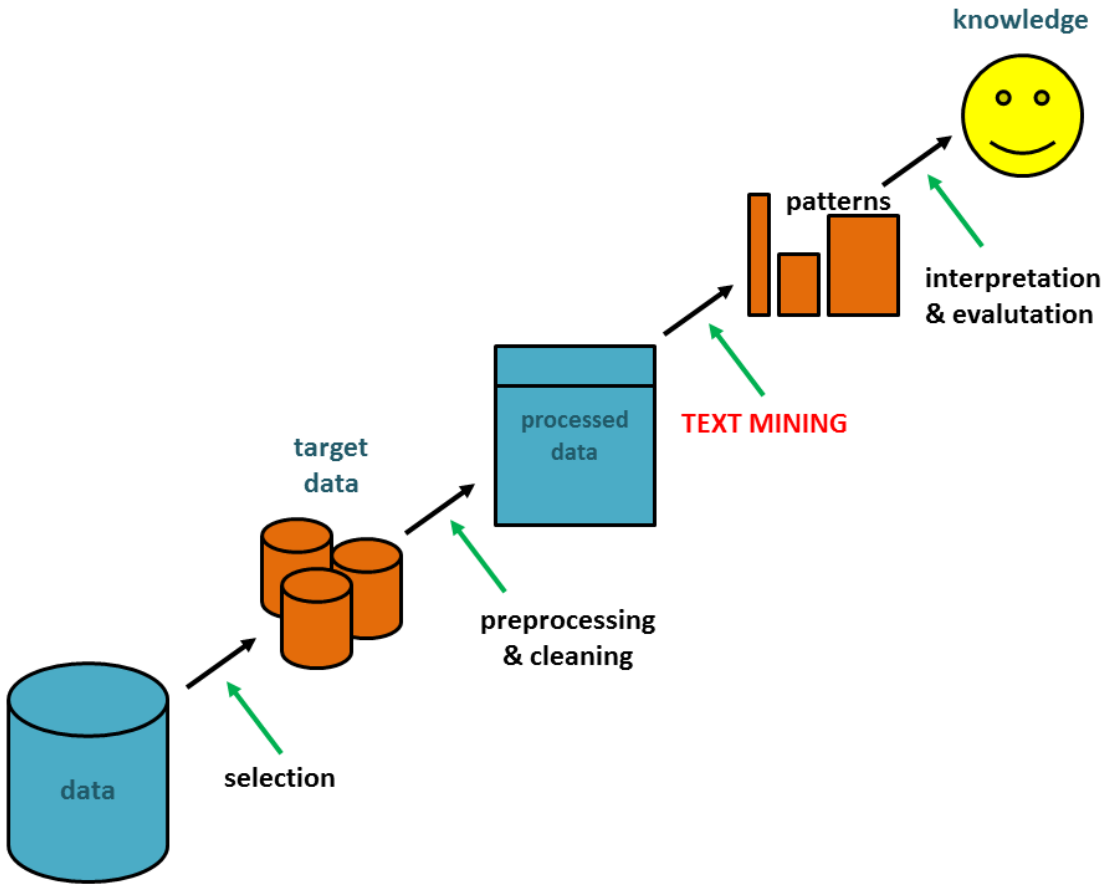
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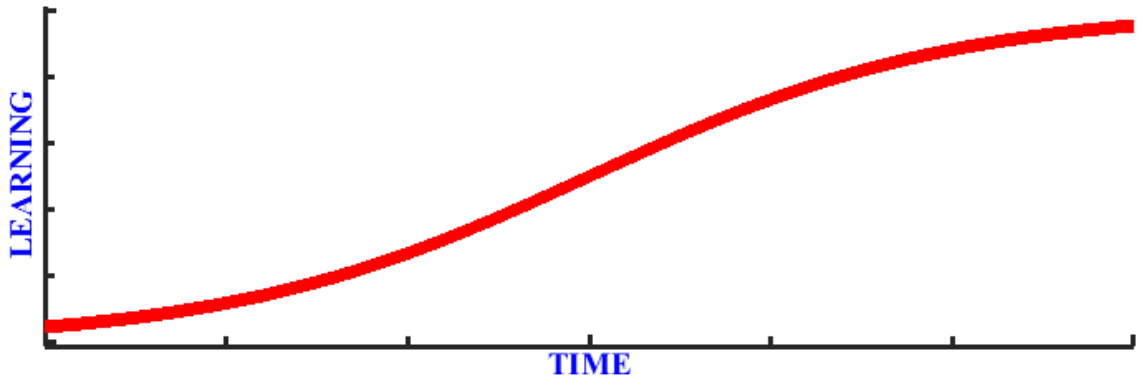
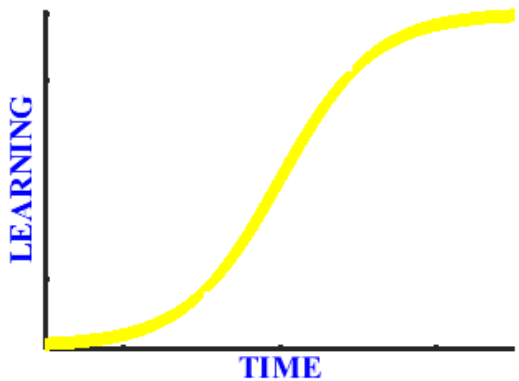
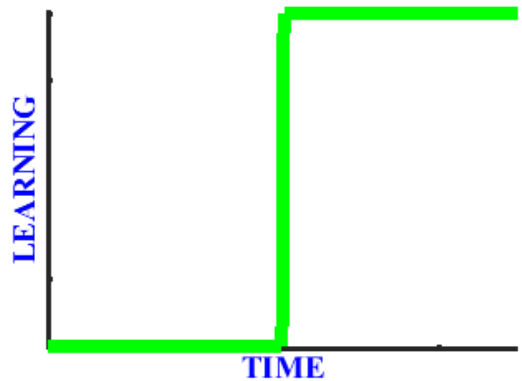
Our goal







R

python™

MATLAB

"There is no true interpretation of anything; interpretation is a vehicle in the service of human comprehension. The value of interpretation is in enabling others to fruitfully think about an idea"

Andreas Buja