

Rank Synopses for Efficient Time Travel on the Web Graph

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Goal:

Time-Travel Queries like

“Election Predictions” as of 2004/02/11

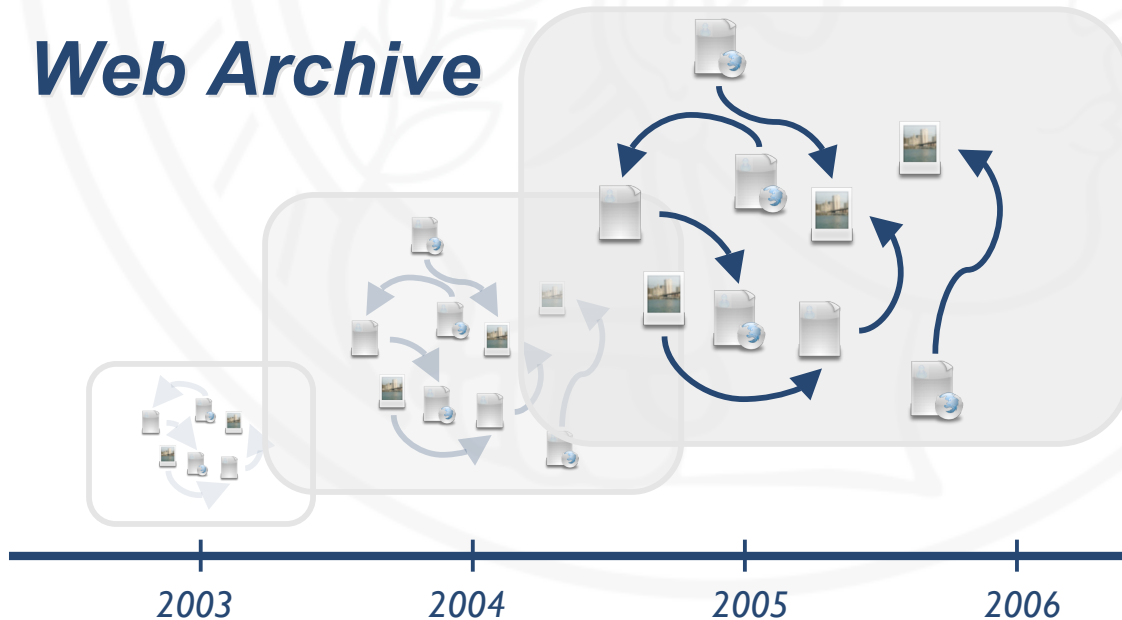
Requires:

Historical PageRank for Ranking

Problem:

Precomputation not Feasible!

Web Archive



Our Solution:

Rank Synopses

- + space-efficient
- + highly accurate PageRank Interpolation/Extrapolation

