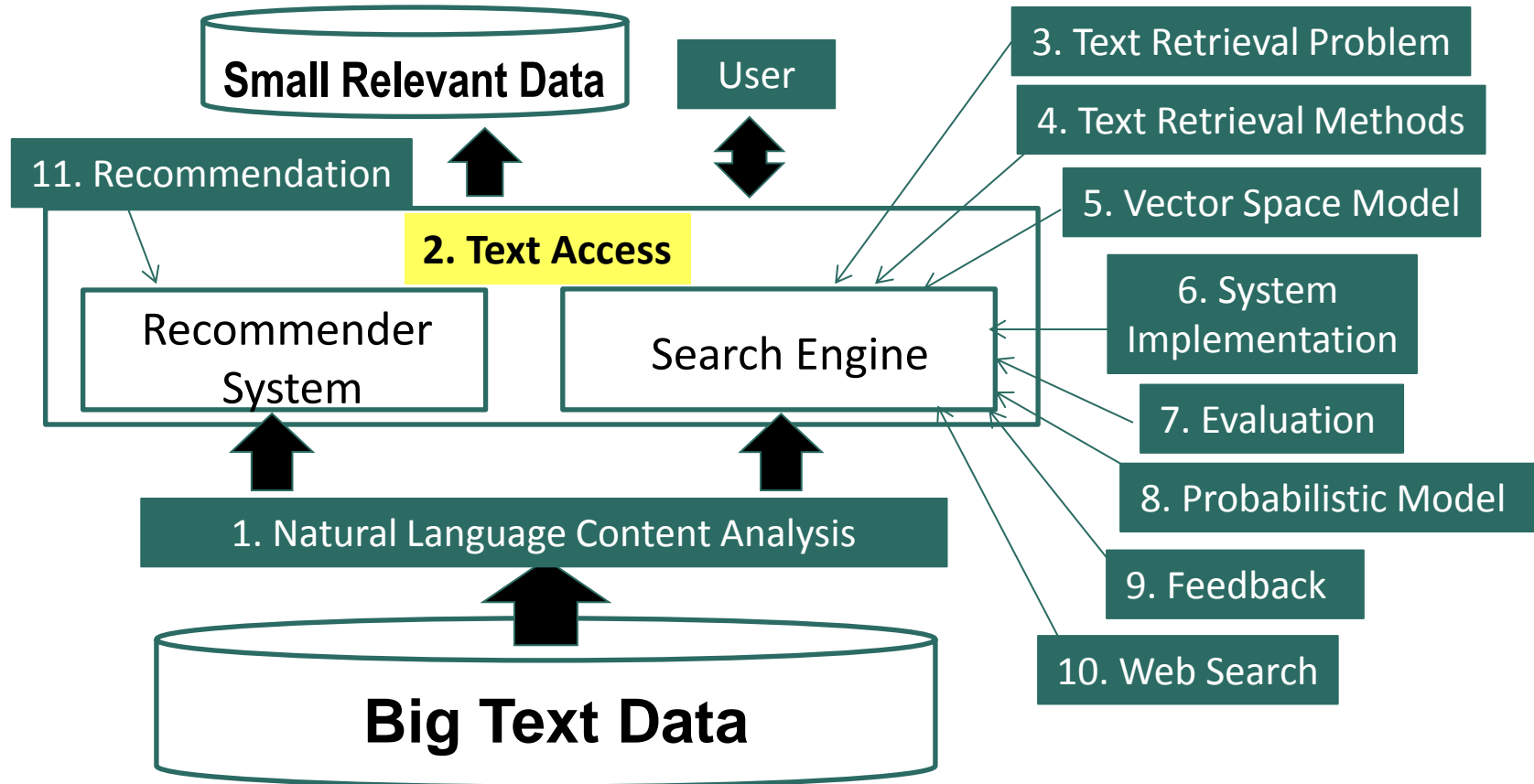


Text Retrieval and Search Engines

Text Access

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Course Schedule



Access to Relevant Text Data

How can a text information system help users get access to the relevant text data?

- Push vs. Pull
- Querying vs. Browsing

Two Modes of Text Access: Pull vs. Push

- **Pull Mode (search engines)**
 - Users take initiative
 - Ad hoc information need
- **Push Mode (recommender systems)**
 - Systems take initiative
 - Stable information need or system has good knowledge about a user's need

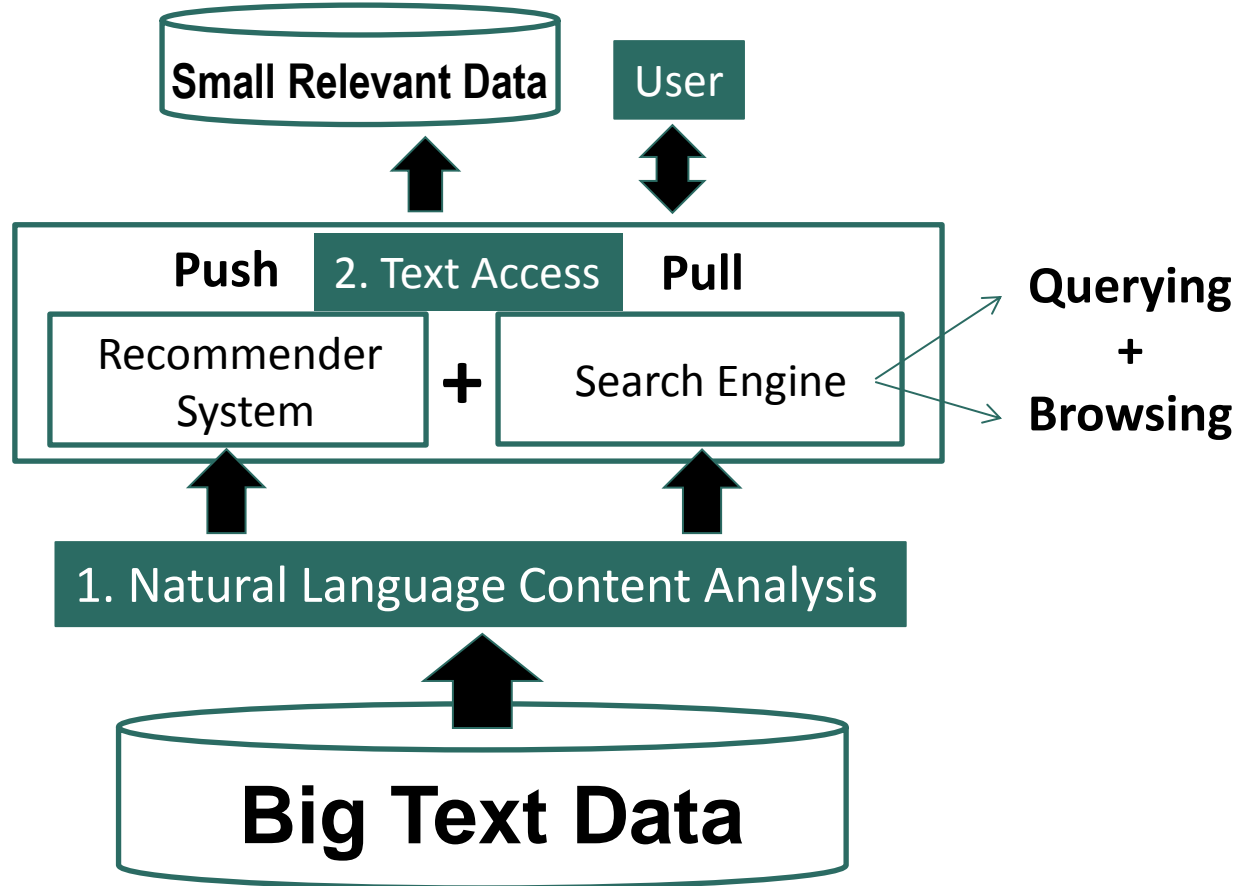
Pull Mode: Querying vs. Browsing

- Querying
 - User enters a (keyword) query
 - System returns relevant documents
 - Works well when the user knows what keywords to use
- Browsing
 - User navigates into relevant information by following a path enabled by the structures on the documents
 - Works well when the user wants to explore information, doesn't know what keywords to use, or can't conveniently enter a query

Information Seeking as Sightseeing

- Sightseeing: Know address of an attraction?
 - Yes: take a taxi and go directly to the site
 - No: walk around or take a taxi to a nearby place then walk
- Information seeking: Know exactly what you want to find?
 - Yes: use the right keywords as a query and find the information directly
 - No: browse the information space or start with a rough query and then browse

Summary



Additional Reading

N. J. Belkin and W. B. Croft. 1992. Information filtering and information retrieval: two sides of the same coin?. *Commun. ACM* 35, 12 (Dec. 1992), 29-38.