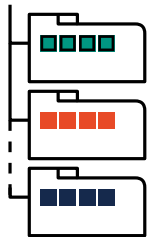


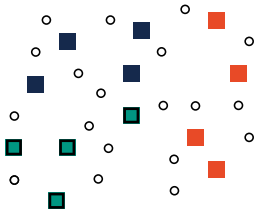
Collection of documents
with initial classification



$$Doc, C, y : D \mapsto C$$

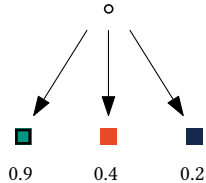
User Input

1. Learning
Joint Embedding



$$Phr, V : O \mapsto \mathbb{R}^E$$

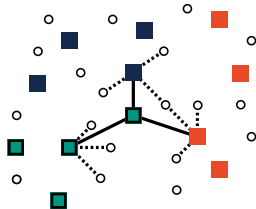
2. Mining
Representativeness



$$r : Phr \times C \mapsto \mathbb{R}^+$$

Preprocessing

3. Text Outlier Detection



A, B

Type A/B Outliers