Dockerizing Automatic Routing Runs for The Open-Source IR Replicability Challenge (OSIRRC 2019)

OSIRRC 2019 co-located with SIGIR 2019, 25 July 2019, Paris, France.
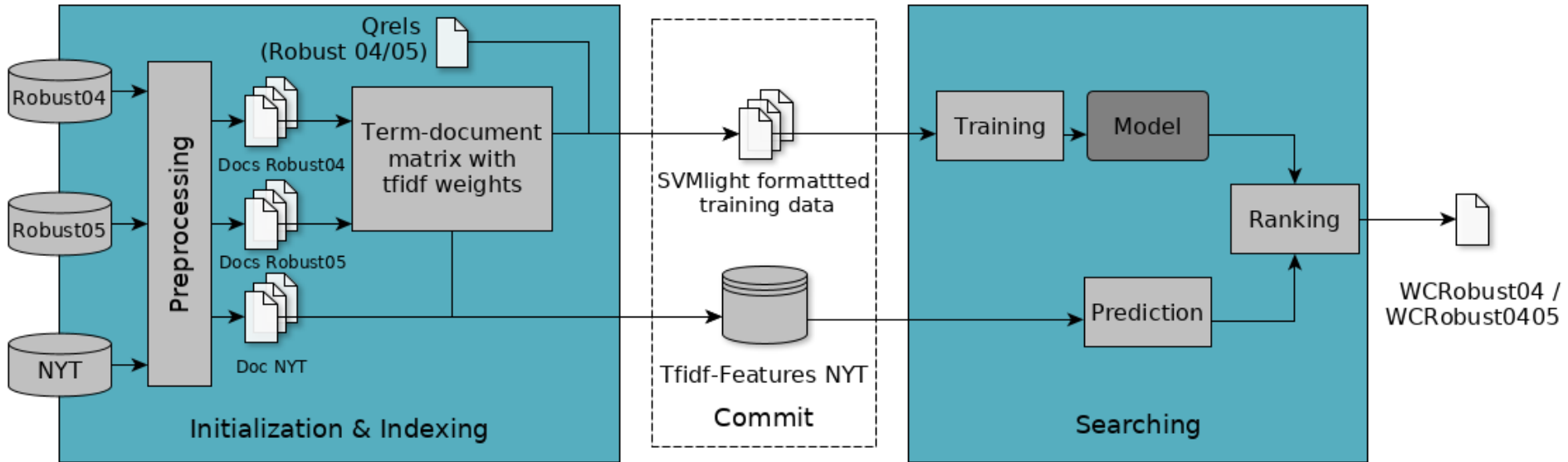
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Automatic Routing Runs

IRC-CENTRE2019

- Dockerize submission to CENTRE@CLEF2019 (Breuer and Schaer, 2019)

- Original procedure by M. Grossman and G. Cormack to TREC Common Core 2017

- Reimplementation of automatic routing runs

  - WCRobust04 and WCRobust0405

Workflow

Results

	Run	MAP	P@10
Baseline	WCRobust04	0.3711	0.6460
	WCRobust0405	0.4278	0.7500
Replicability	WCRobust04	0.2971	0.6820
	WCRobust0405	0.3539	0.7360

Tab 1. - Replicated results compared to the original baseline by M. Grossman and G. Cormack

Image	Version	Run	AP	P30	NDCG@20
Anserini	v0.1.1	bm25.rm3	0.2823	0.5093	0.4467
ATIRE	v0.1.1	ANT_c17_100_percent	0.1436	0.4087	0.3742
IRC-CENTRE2019	v0.1.3	wcrobust04	0.2971	0.5613	0.5143
IRC-CENTRE2019	v0.1.3	wcrobust0405	0.3539	0.6347	0.5821
JASS	v0.1.1	JASS_c17_10_percent	0.1415	0.4080	0.3711
JASSv2	v0.1.1	JASSv2_c17_10	0.1415	0.4080	0.3711
PISA	v0.1.3	core17-1000	0.2078	0.4260	0.3898

Tab 2. - Replicated results compared to other Core17 runs from OSIRCC 2019