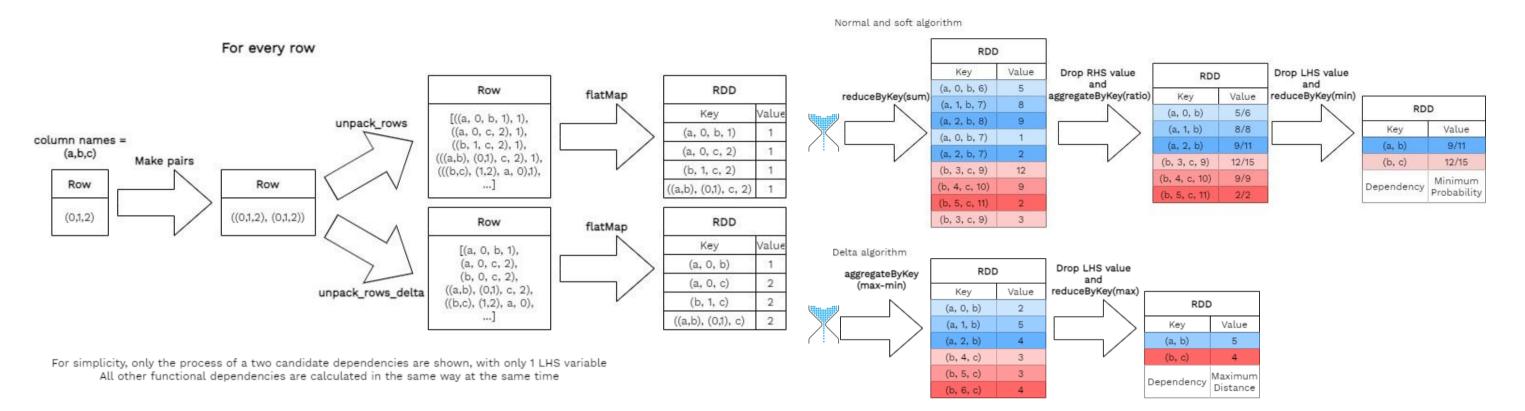
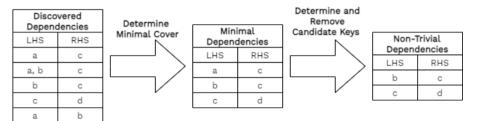
Voters Dataset | Big Data Management | Milestone 2

distribution of computation

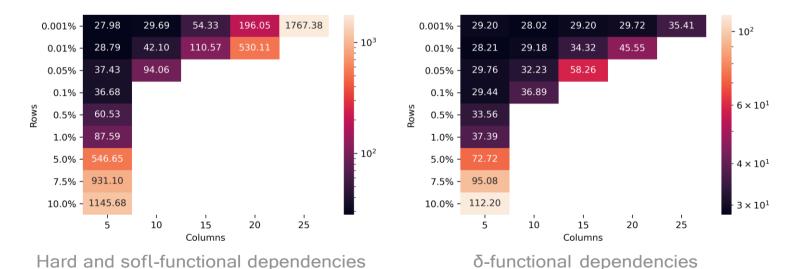


Minimal and non-trivial checks



boflleneck

experimental performance and scalability



Execution time for different combinations of number of rows and columns. Time in seconds, blank spaces represent a failed run.

CPU: Ryzen 7 3700X 8 Cores / 16 Threads RAM: 32GB DDR4 3600Mhz Disk: SSD NVME Western Digital SN550 2400 MB/s

detected dependencies

hard dependencies delta dependencies for δ =25 {house num, last name} -> {voter status reason desc} {age_group} -> {age} {first name} -> {state cd} {sex} -> {salary} {first_name, street_name} -> {mail_state} {age, voter reg num} -> {county id} {first_name, zip_code} -> {res_city_desc} {last_name, paky_desc, street_name} -> {county_id} {county desc} -> {county id} {county desc, ncid} -> {zip code} {first_name, street_name} -> {voter_status_desc} {midl name, res city desc, street name} -> {zip code} {midl_name} -> {state_cd} {first_name, house_num, race_desc} -> {salary} {county id, last name} -> {county desc} {house num, last name, midl name} -> {county id} {midl_name, voter_status_reason_desc} -> {voter_status_desc} {county_id, house_num, last_name} -> {zip_code} sofl dependencies for τ =0.8 {county_id} -> {county_desc} {voter_status_reason_desc} -> {voter_status_desc} interesting unexpected dependencies {state_cd} -> {mail_state} expected dependencies {voter_status_desc} -> {mail_state}