

Table 1: Queries for Experimentation

| Dataset | ID | Query |
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| Adult-CI | Q1 | SELECT * FROM ACSIncome WHERE working_hours >= 40 and Educational_attainment >= 19 and Class_of_worker in ("local_gov", "state_gov", "federal_gov") |
| | Q2 | SELECT * FROM ACSIncome WHERE working_hours <= 40 and Educational_attainment <= 19 and income in ("<20K", "20K-40K") |
| | Q3 | SELECT * FROM ACSIncome WHERE working_hours >= 60 and Educational_attainment <= 16 and income in ("<20K") |
| | Q4 | SELECT * FROM ACSIncome WHERE working_hours >= 60 and Educational_attainment >= 22 and income in (">60K") and Class_of_worker in ("self_empl_inc", "self_empl_not_inc") |
| Healthcare | Q5 | SELECT * FROM Healthcare WHERE income >= 200K and num-children >= 3 and county in ("county2", "county3") |
| | Q6 | SELECT * FROM Healthcare WHERE income <= 100K and complications >= 5 and num-children >= 4 |
| | Q7 | SELECT * FROM Healthcare WHERE income >= 150K and num-children <= 4 and complications <= 8 and county in ("county2", "county4") |
| | Q8 | SELECT * FROM Healthcare WHERE income >= 300K and complications >= 5 and county in ("county1", "county4") |
| TPC-H | Q9 | SELECT * FROM part, supplier, partsupp, nation, region WHERE p_partkey = ps_partkey and s_suppkey = ps_suppkey and s_nationkey = n_nationkey and n_regionkey=r_regionkey and p_size >= 10 and p_type in ('LARGE-BRUSHED') and r_name in ('EUROPE') |
| | Q10 | SELECT * FROM part, supplier, partsupp, nation, region WHERE p_partkey = ps_partkey and s_suppkey = ps_suppkey and s_nationkey = n_nationkey and n_regionkey=r_regionkey and p_size <= 30 and p_type in ('LARGE-BRUSHED') and r_name in ('EUROPE', 'ASIA') |