

-- This script calculates summary statistics for search\_strategies table

```
DO $$
DECLARE
    current_column TEXT;
BEGIN
    FOR current_column IN
        SELECT column_name
        FROM information_schema.columns
        WHERE table_schema = 'public'
        AND table_name = 'search_strategies'
        AND data_type IN ('integer', 'numeric', 'real', 'double precision')
        AND column_name NOT IN ('index', 'Group')
    LOOP
        RAISE NOTICE 'Processing column: %', current_column;
        EXECUTE format('
            INSERT INTO summary_search_strategies(variable_name, sum, mean, median,
max, min, std_dev)
            SELECT
                %L,
                SUM(%I),
                AVG(%I),
                percentile_cont(0.5) WITHIN GROUP (ORDER BY %I),
                MAX(%I),
                MIN(%I),
                stddev(%I)
            FROM
                search_strategies;',
                current_column, current_column, current_column, current_column,
current_column, current_column, current_column);
        END LOOP;
    END $$;
```

SELECT \* FROM summary\_search\_strategies

```
DO $$
DECLARE
    current_column TEXT;
BEGIN
    FOR current_column IN
        SELECT column_name
        FROM information_schema.columns
        WHERE table_schema = 'public'
        AND table_name = 'engineering_approaches'
        AND data_type IN ('integer', 'numeric', 'real', 'double precision')
        AND column_name NOT IN ('index', 'Group')
    LOOP
```

```

        RAISE NOTICE 'Processing column: %', current_column;
        EXECUTE format('
            INSERT INTO summary_engineering_approaches(variable_name, sum, mean,
median, max, min, std_dev)
            SELECT
                %L,
                SUM(%I),
                AVG(%I),
                percentile_cont(0.5) WITHIN GROUP (ORDER BY %I),
                MAX(%I),
                MIN(%I),
                stddev(%I)
            FROM
                engineering_approaches;',
            current_column, current_column, current_column, current_column,
current_column, current_column, current_column);
        END LOOP;
    END $$;

SELECT * FROM summary_engineering_approaches

```