

# CS 562 Final Project

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# Problem Overview

- SQL queries are powerful tools
- basic SQL syntax makes expressing complicated or interconnected OLAP queries hard

# Solution

Luckily, there is a solution! Introduced in two papers:

- ① *Querying Multiple Features of Groups in Relational Databases* by D. Chatziantoniou and K. Ross
- ② *Evlutaion of Ad Hoc OLAP: In-Place Computation* by D. Chatziantoniou,

the  $\Phi$  operator (an extension to relational algebra) is a means