

CS 338  
Lecture 05  
Relational Algebra and Calculus - Part 2  
Outline

Collin Roberts

May 27, 2026

# Outline

1. More Advanced Relational Algebra Operators
  - 1.1 Rename ( $\rho$ )
  - 1.2 Cross-Product ( $\times$ )
  - 1.3 Join ( $\bowtie$ )
    - 1.3.1 EquiJoin
    - 1.3.2 Natural Join ( $*$ )
2. Exercises