* Common Aggregate Functions
  + COUNT function: returns the total number of rows that match our search
    - SELECT count(\*) FROM Movies;
  + SUM function: returns the added sum of values for a group of rows
    - SELECT sum(column\_name) FROM table\_name;
  + AVERAGE function: returns the calculated average value for a group of rows
    - SELECT avg(column\_name) FROM table\_name;
  + MAX function: returns the largest value in the group of rows
    - SELECT max(column\_name) FROM table\_name;
  + MIN function: returns the smallest value in a group of rows
    - SELECT min(column\_name) FROM table\_name;
  + sum, avg, max, min only works if columns contains numbers
* Aggregates Within Clauses
  + GROUP BY: group together by column
    - SELECT genre, sum(cost) FROM Movies GROUP BY genre;
  + can use GROUP BY to condense a group of columns into a single row
    - SELECT column\_name, aggregate\_function(column\_name)
    - FROM table\_name
    - GROUP BY column\_name;
  + can filter aggregate functions
  + using the HAVING clause
    - SELECT genre, sum(cost)
    - FROM Movies
    - GROUP BY genre
    - HAVING COUNT(\*) > 1;
  + HAVING clause restricts the group of rows to only those who meet the specified conditions
    - SELECT column\_name, aggregate\_function(column\_name)
    - FROM table\_name
    - WHERE column\_name operator value (optional)
    - GROUP BY column\_name
    - HAVING aggregate\_function(column\_name) operator value;
  + SELECT genre, sum(cost)
  + FROM Movies
  + WHERE cost >= 1000000
  + GROUP BY genre
  + HAVING COUNT(\*) > 1;