

## Aggregate operators and subqueries

### Editor's Database

**UName**(id,name) one name per id

**Email**(id,email)

**Papers**(narid, authorid, title, year, keywords, decision)

**Reviewers**(narid, reviewerid, agree\_decline, days, rating, year)

### Notes:

1) days is time for review return

2) rating is integer 0-3

3) authorid and reviewerid are

foreign keys referencing id in

UniqueName

### Use the Editor's Database to answer these queries:

1. **Number of papers.** Find the total number of papers submitted across all years (total).
2. **Number of papers by year.** Find the number of submitted papers each year (year, count).
3. **\*Number of years in database.** Find the number of years covered by the papers.
4. **Average number of papers per year across all years.** Find the average number of papers per year, considering all years (average).
5. **Prolific authors.** Find the authors who have submitted 4 or more papers (id, name, count). List by number of papers descending. Find authors rejected more than 2 times.
6. **Most frequently asked to review.** Find the people who have been asked to review 3 or more times (id, name, count). List by number of papers descending. Find those only in the last three years (excluding this year).
7. **Most frequently returned reviews.** Find the people who have returned reviews 3 or more times (id, name, count). List by number of papers descending. Determine that a review is returned by testing: rating is not null.

Limit to only those reviews that are rated good or excellent and add the average number of days for the review and the standard deviation in the number of days. (id, name, count, avg days, std days)

For each person, produce up to two rows of output, one for good and one for excellent rating and include rating field in the output where the sum of both types of reviews is at least 4.

8. **More than one review per year.** Find people who did more than one review in the same year (id, name, year).

Get the count by year of people asked to review more than once in that year (1 row per year). (year, count).