In-Class Activity: Managing Information

Part 1: Paper Records

Imagine that you are responsible for managing rental information for an apartment company. Below are paper statements for several families.

Use the statements to answer the questions below.

Statement for Simpson Family

January 1–31, 2026

555 Chicago Ave, Chicago IL

Rent Due January 1, 2026: $2,763

Statement for Johnson Family

January 1–31, 2026

123 Oak Street, Chicago IL

Rent Due January 1, 2026: $2,450

Statement for Williams Family

January 1–31, 2026

842 Maple Avenue, Chicago IL

Rent Due January 1, 2026: $2,925

Statement for Garcia Family

January 1–31, 2026

217 Pine Street, Chicago IL

Rent Due January 1, 2026: $2,375

Statement for Brown Family

January 1–31, 2026

631 Lincoln Avenue, Chicago IL

Rent Due January 1, 2026: $3,150

Statement for Davis Family

January 1–31, 2026

408 Washington Street, Evanston IL

Rent Due January 1, 2026: $2,175

Statement for Miller Family

January 1–31, 2026

925 Main Street, Evanston IL

Rent Due January 1, 2026: $2,625

Statement for Anderson Family

January 1–31, 2026

314 Lake Street, Oak Park IL

Rent Due January 1, 2026: $2,850

Questions

1. How much rent does the Simpson Family owe?
2. Which family has the highest rent?
3. Which family has the lowest rent?
4. What is the total rent due for all families?
5. What is the average rent?

6. How many families have rent greater than $2,500?
7. Which families live in Chicago?
8. What is the total rent due by families living in Chicago?
9. Which families have rent below the average?
10. Imagine that instead of 8 families, you had **5,000 families and multiple months**. **How would you manage this information?** What problems might you encounter if all of these records were kept on paper?