

## **Lesson 10 – Aggregations (COUNT, SUM, AVG, GROUP BY)**

### **SECTION 1 – COUNT Aggregations (10 Questions)**

1. How many total properties are in the database?
2. How many properties are listed in each province?
3. How many properties are listed in each city?
4. How many properties have more than 2 bedrooms?
5. How many properties have 2 or more bathrooms?
6. How many properties have parking for at least 2 cars?
7. How many properties are priced above R3,000,000?
8. How many properties are in Gauteng?
9. How many properties per province have floor size greater than 200?
10. How many distinct provinces are in the table?

### **SECTION 2 – SUM Aggregations (10 Questions)**

11. What is the total value of all properties combined?
12. What is the total property value per province?
13. What is the total property value per city?
14. What is the total monthly repayment for all properties?
15. What is the total monthly repayment per province?
16. What is the total once-off cost for all properties?
17. What is the total once-off cost per province?
18. What is the total property value for Gauteng?
19. What is the total property value for properties priced above R4,000,000?
20. What is the total minimum gross monthly income required per province?

### **SECTION 3 – AVG Aggregations (10 Questions)**

21. What is the average property price overall?
22. What is the average property price per province?

23. What is the average property price per city?
24. What is the average number of bedrooms per province?
25. What is the average number of bathrooms per province?
26. What is the average floor size per province?
27. What is the average monthly repayment per province?
28. What is the average once-off cost per province?
29. What is the average minimum gross monthly income per province?
30. What is the average property price for properties above R3,000,000?

#### **SECTION 4 – GROUP BY + Filtering (10 Questions)**

31. Which province has the highest average property price?
32. Which province has the lowest average property price?
33. Which city has the highest total property value?
34. Which city has the lowest average property price?
35. How many properties per province are priced above R2,000,000?
36. What is the average floor size per province for properties above R3,000,000?
37. What is the total property value per province for properties with 3 or more bedrooms?
38. What is the average monthly repayment per province for properties above R4,000,000?
39. How many properties per city have parking for 2 or more cars?
40. What is the average minimum gross monthly income per province for properties above R5,000,000?