SQL Farmers Insurance Analysis – Executive Summary
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This is the project of Farmers Insurance dataset from 2018 to 2021. I used SQL queries to understand insurance coverage, premium amounts, population, and other important information across different states and districts in India.

Main insights:

- **Most Covered States**: Maharashtra and Uttar Pradesh had the highest number of farmers covered and the most insured land.

- **Premium Amounts**: Districts with more people and bigger insured areas paid higher premium amounts. Some districts had premiums above ₹20 crores regularly.

- **District Rankings**: Using SQL window functions like RANK() and ROW_NUMBER(), I ranked districts by coverage and premium amounts over the years.

- **Data Gaps**: There were some missing or zero values in the dataset. I ignored these for the purpose of this analysis.

- **Name Patterns**: I used SQL pattern matching to find district names starting with "B" and ending with "pur." I also noticed that premium amounts and insured areas increased over time.

- **SQL Tools Used**: I used advanced SQL features like JOIN, GROUP BY, HAVING, WITH, and window functions to explore population-to-coverage ratios and track premium growth.

Assumptions:

- Records with null or zero values were not used in average calculations.

- All monetary values (SumInsured and Premium) were assumed to be in rupees, and amounts in crores were taken into account during comparisons.