

EXECUTIVE SUMMARY REPORT

ON

FARMERS INSURANCE

INTRODUCTION

The Pradhan Mantri Fasal Bima Yojana (PMFBY) is a crop insurance scheme in India that aims to provide financial support to farmers facing crop losses due to unforeseen events. We are provided with the dataset containing insurance details of the farmers under PMFBY insurance scheme to generate insights using SQL.

DATA UPLOADING

This dataset is free and publicly available. The data is derived from the National Data and Analytics Platform (NDAP). The data table contains information on farmers' insurance coverage, population demographics, and land area across various states and districts. There are 44 columns in the dataset

The key attributes include:

- **Insurance Data:**
Includes Insurance Units, Farmers Premium Amount, Insured Land Area and total premiums.
- **Farmer Demographics:** Percentage coverage of male, female, and social category farmers (e.g., SC, ST, OBC).
- **Geographical Data:** Information about states, districts, and land area (urban and rural).
- **Population Data:** Total population and breakdowns by gender, urban/rural areas, and households
- **Year and Regional Metadata:** Year, state, district, and country information.

We have created the schema first and then use the table data import wizard in MySQL Workbench.

QUERIES

1. names of all states

There are 25 states whose data is covered in PMFBY.

2. total number of farmers covered (TotalFarmersCovered) and the sum insured (SumInsured) for each state (srcStateName)

Madhya Pradesh is the state with highest no of farmers covered followed by Maharashtra then Uttar Pradesh.

Punjab is the state that has covered least no. of farmers.

3. total number of farmers covered and the sum of premiums for each state where the insured land area (InsuredLandArea) is greater than 5.0 and the Year is 2018.

Highest is Tamil Nadu and lowest is for Jammu and Kashmir.

4. Average Insured Land area on Yearly Basis.

It was Highest in 2020 and Lowest in 2018

2020>2019>2021>2018

5. total number of farmers covered for each district

District with the highest farmers covered is Bid followed by latur and Nanded.

District with lowest no. of farmers covered is Kheda then Bhatinda.

6. top 5 districts (srcDistrictName) with the highest TotalPopulation in the year 2020

'Pune', '9429408'

'Thane', '8070032'

'Jaipur', '6626178'

'Nashik', '6107187'

'Allahabad', '5954391'

7. ratio of insured farmers to the total population

CHHATTISGARH	2021	1265556	25405378	0.0498
TRIPURA	2020	172048	3673917	0.0468
TRIPURA	2021	170345	3673917	0.0464