

# ■ Smart Analytics Report

AI-Powered Data Analysis with Predictions & Insights

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Dataset: 227 rows x 8 columns

## ■ Executive Summary

This report provides comprehensive analysis of your dataset containing 227 records across 8 variables. Our AI-powered analysis has identified 5 significant trends, 19 key insights, and generated 2 predictions about future patterns. Based on this analysis, we provide 3 actionable recommendations to optimize your outcomes.

## ■ Trend Analysis

Metric	Trend Direction	Strength	Current Average	Growth Rate
People Death Count	Increasing	Weak	27455.49	462.85/period
People Death New Count	Increasing	Weak	11.04	0.26/period
People Positive Cases Count	Increasing	Weak	2259907.01	40756.23/period
People Positive New Cases Count	Increasing	Moderate	2782.71	68.19/period
Selected Metric	Increasing	Moderate	2782.71	68.19/period

## ■ Predictions & Forecasts

Metric	Current Value	Predicted Value	Expected Change	Confidence
People Positive New Cases Count	2782.71	3464.60	■ 24.5%	Moderate
Selected Metric	2782.71	3464.60	■ 24.5%	Moderate

**Interpretation:** These predictions are based on historical trends. Strong confidence indicates reliable patterns, while moderate confidence suggests higher variability.

## ■ Key Insights

### ■ Insight 1: Found 29 outlier(s) in People Death Count

Range: 35542.00 to 991921.00

### ■ Insight 2: Found 36 outlier(s) in People Death New Count

Range: 6.00 to 419.00

### ■ Insight 3: Detected cyclical pattern in People Death New Count

7-day autocorrelation: 0.76

### ■ Insight 4: Found 38 outlier(s) in People Positive Cases Count

Range: 2892989.00 to 81237970.00

### ■ Insight 5: Found 42 outlier(s) in People Positive New Cases Count

Range: 856.00 to 87298.00

### ■ Insight 6: Detected cyclical pattern in People Positive New Cases Count

7-day autocorrelation: 0.99

### ■ Insight 7: Found 42 outlier(s) in Selected Metric

Range: 856.00 to 87298.00

### ■ Insight 8: Detected cyclical pattern in Selected Metric

7-day autocorrelation: 0.99

### ■ Insight 9: People Death Count and People Death New Count are positively correlated

Correlation coefficient: 0.75

### ■ Insight 10: People Death Count and People Positive Cases Count are positively correlated

Correlation coefficient: 0.91

### ■ Insight 11: People Death New Count and People Positive Cases Count are positively correlated

Correlation coefficient: 0.83

### ■ Insight 12: People Death New Count and People Positive New Cases Count are positively correlated

Correlation coefficient: 0.77

### ■ Insight 13: People Death New Count and Selected Metric are positively correlated

Correlation coefficient: 0.77

### ■ Insight 14: People Positive New Cases Count and Selected Metric are positively correlated

Correlation coefficient: 1.00

- **Insight 15: People Death Count shows right-skewed distribution**  
Skewness: 6.87
- **Insight 16: People Death New Count shows right-skewed distribution**  
Skewness: 6.06
- **Insight 17: People Positive Cases Count shows right-skewed distribution**  
Skewness: 7.08
- **Insight 18: People Positive New Cases Count shows right-skewed distribution**  
Skewness: 5.52
- **Insight 19: Selected Metric shows right-skewed distribution**  
Skewness: 5.52

## ■ Actionable Recommendations

Priority	Category	Recommendation	Action Steps
Medium	Forecast	Prepare for significant change in People Positions.	Expected 24.5% increase. Plan accordingly.
Medium	Forecast	Prepare for significant change in Selected Metrics.	Expected 24.5% increase. Plan accordingly.
Medium	Data Quality	Improve data collection for columns with high missing values.	Date have >10% missing data. Improve data collection processes.

## ■ Data Overview

Metric	Value
Total Records	227
Total Variables	8
Numeric Variables	5
Date/Time Variables	0
Text Variables	3
Missing Values	226
Completeness	87.6%

This report was generated by Smart Data Studio's AI Analytics Engine

For questions or deeper analysis, consult with your data team