African Conflict Analysis Report

Generated on: November 21, 2024

# Executive Summary

**Project Overview:**This analysis employs a two-stage approach to understand and predict conflict-related fatalities in Africa using machine learning techniques.

# Model Performance Metrics

**Regression Metrics:**MSE: 925.91  
RMSE: 30.43  
R² Score: 0.44  
 **Classification Report:** precision recall f1-score support  
  
 0 0.84 0.84 0.84 52401  
 1 0.66 0.65 0.65 24184  
  
 accuracy 0.78 76585  
 macro avg 0.75 0.75 0.75 76585  
weighted avg 0.78 0.78 0.78 76585