

### **Importance of this Model for Underdeveloped Countries:**

1. **Accident Prevention:** Authorities can identify the key factors that lead to more severe accidents (road conditions, weather, lighting) and focus on improving those conditions in high-risk areas.
2. **Resource Allocation:** Predictive models can help in allocating medical resources efficiently by identifying areas prone to more severe accidents, ensuring quick response times and reducing fatalities.
3. **Policy Making:** Policymakers can use insights from the model to enact road safety regulations, such as enforcing better lighting conditions, road maintenance, or regulating vehicle types that contribute to severe accidents.