**The following are some ways that traffic accident analysis and prevention in developing nations might benefit from the use of a linear regression model for assessing the severity of traffic accidents:**

* Finding risk variables: In a given nation or area, the most significant risk factors for traffic accidents can be found using a linear regression model. The development of targeted interventions can be used to lower the likelihood of accidents using this information.
* Predicting the severity of an accident: Based on the details pf the incident, a linear regression model may also be used to forecast the severity of a traffic collision by using this information, accident victims can receive better care and emergency response times can be shortened
* Evaluating interventions: A linear regression model can be used to assess the effectiveness of traffic accident preventions. For instance the model used to compare the accident rate prior to and following the establishment of a new speed limit.

How it could improve traffic accidents analysis and prevention in underdeveloped countries, it would:

-Identify high-risk road segments as it can be utilized to pinpoint high risk road segments that are susceptible to accidents.

-Creating public awareness as it can be utilized to determine the most impactful messaging for public awareness campaigns concerning road safety.