Crash Detection Report

Structured Report: Crash Detection Analysis

Crash Likelihood: **Low**

The data provided does not indicate any sudden or extreme changes in vehicle dynamics, such as abrupt deceleration, erratic steering, or impact forces, which are typical indicators of a crash. The vehicle's speed, acceleration, and other parameters appear to follow a consistent and controlled pattern.

Detected Anomalies

- 1. Negative (PStante-Fuel Consumption (km/L)" values become negative, which is physically impossible. This could indicate a sensor malfunction or data corruption.
- 2. **High Engine RRM** randaSpectbadily from 2500 rpm to 29500 rpm, and the vehicle speed increases from 30 km/h to 570 km/h. These values are unrealistic for most vehicles and suggest potential data errors or sensor issues.
- 3. Unime alistic lyelucide Acicel egation unusual for normal driving conditions. Such high acceleration values are typically seen in extreme scenarios like racing or mechanical failures.
- 4. Tobes't anto The outbeit Pos (No) hremains at 100% throughout the dataset, which is unlikely for normal driving conditions and could indicate a sensor malfunction.

Possible Causes

- 1 Sepsonalita Inthrectoon mption, engine RPM, and throttle position suggest potential issues with the vehicle's sensors or data logging system.
- 2. Data Overalistionalues for speed, acceleration, and engine RPM could be due to corrupted or misinterpreted data.
- 3.-ExthematDrisvang@ated(itilians:is unlikely), the vehicle might have been operating under extreme conditions, such as a high-speed test or mechanical stress.

Recommendations

- 1. The peter Steins or Sand Data Lydging System consumption, engine RPM, and throttle position, for malfunctions or calibration issues.
- 2.-VenifyrDattatltttegtaty:logging system is functioning correctly and that there are no issues with data transmission or storage.

- 3. Confidure Dialydizatio Testest on the vehicle to identify any underlying mechanical or electrical issues.
- 4. **Retriew Dailsing Contditions** tigate the driving conditions to ensure the vehicle is not being operated in an unsafe or extreme manner.
- 5.- Mamition for the recurring anomalies or potential issues.

This analysis suggests that the likelihood of a crash is low, but the data contains significant anomalies that require further investigation to ensure the vehicle's safety and proper functioning.