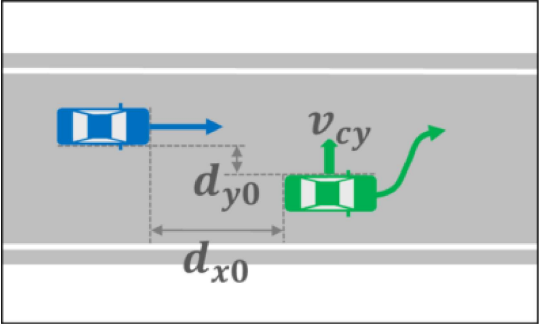


Select Scenario

Select Scenario Number

No4 Non-intersection-GoingStraight-Swerving



The diagram illustrates a vehicle interaction scenario on a road. A blue vehicle is moving right with velocity v_{cy} . A green vehicle is positioned ahead and to the right, with a green arrow indicating its lateral velocity v_{cy} . The initial longitudinal distance between the vehicles is d_{x0} , and the initial lateral distance is d_{y0} .

Parameters

Parameter	Description
Ve0	Vehicle under test initial longitudinal velocity [km/h]
Vo0	Challenging vehicle initial longitudinal velocity [km/h]
Ve0-Vo0	Initial longitudinal relative velocity [km/h]
dx0	Initial longitudinal distance [m]
Vy	Maximum lateral velocity [m/s]

Parameters

Search

Vehicle under test initial longitudinal velocity (Ve0)

6.17

116.50

6.17

116.50

Challenging vehicle initial longitudinal velocity (Vo0)

2.35

114.83

2.35

114.83

Initial longitudinal relative velocity (Ve0-Vo0)

0.01

49.77

0.01

49.77

Initial longitudinal distance (dx0)

1.36

53.32

1.36

53.32

Maximum lateral velocity (Vy)

0.38

2.08

0.38

2.08

414 Results

Probability - Vehicle under test initial longitudinal velocity

Distribution Type

Normal



Upper Limit(percentile)

95



Lower Limit(percentile)

5



Class Frequency

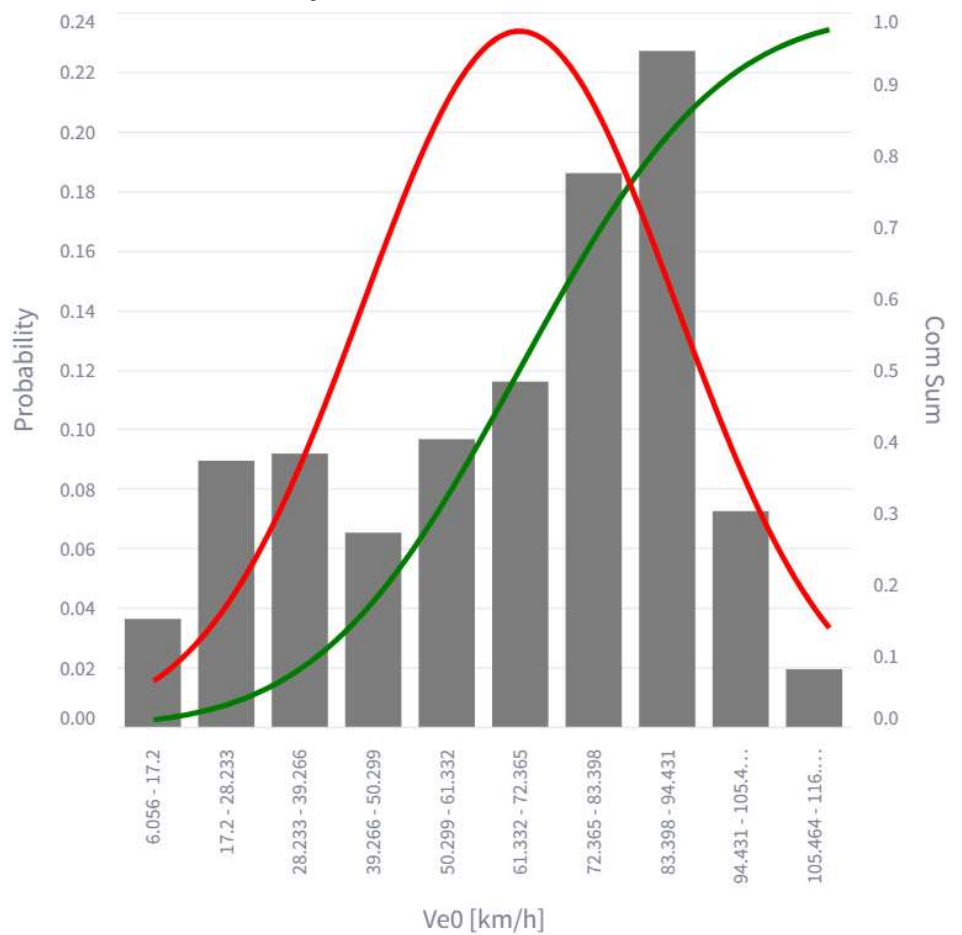
10



AIC: 3863.94

Upper: 108.01

Lower: 23.78



Probability - Challenging vehicle initial longitudinal velocity

Distribution Type

Normal



Upper Limit(percentile)

95



Lower Limit(percentile)

5



Class Frequency

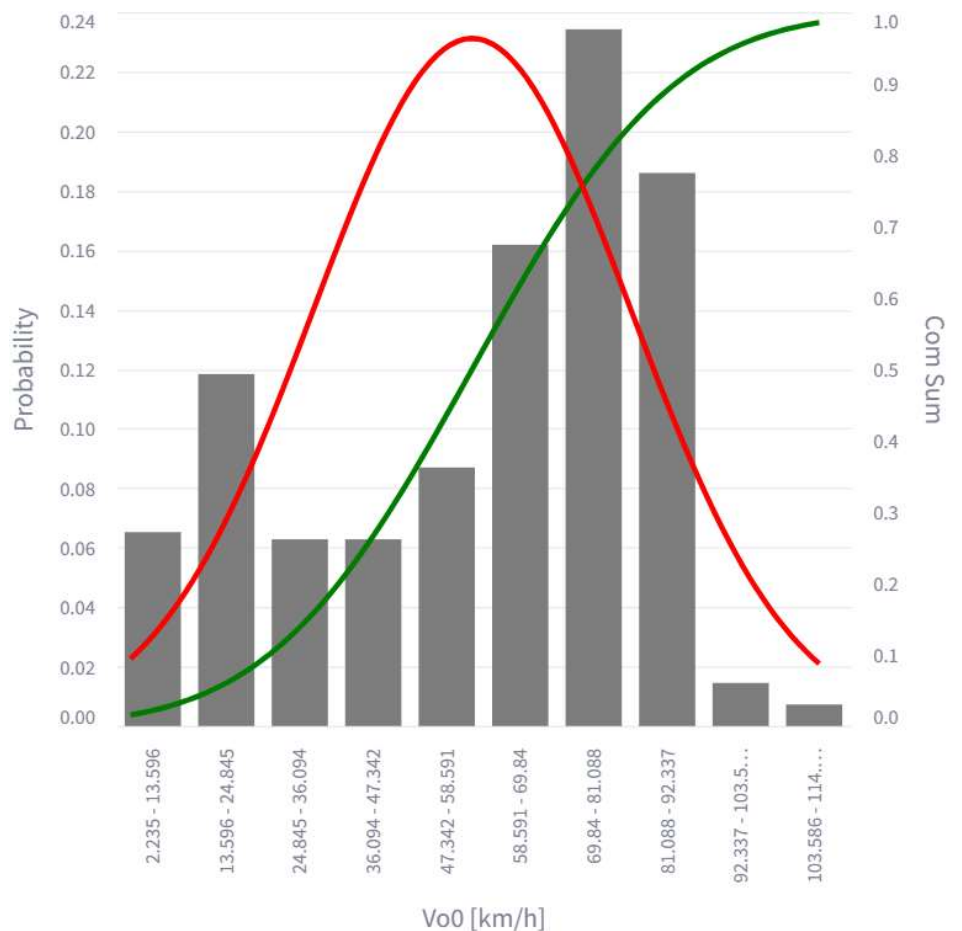
10



AIC: 3872.71

Upper: 100.71

Lower: 15.58



Probability - Initial longitudinal relative velocity

Distribution Type

Normal



Upper Limit(percentile)

95



Lower Limit(percentile)

5



Class Frequency

10

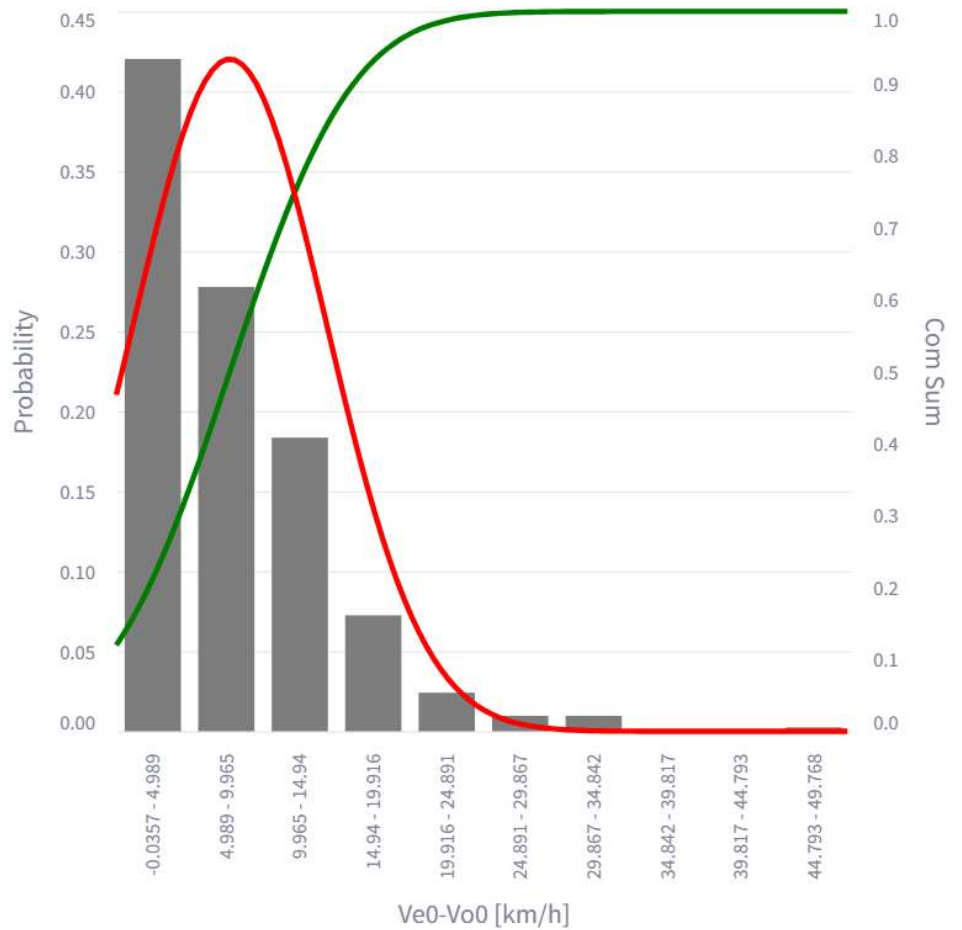


AIC: 2737.85

Upper: 18.56

Lower: -3.06

Surrounding Traffic Disturbance



Probability - Initial longitudinal distance

Distribution Type

Normal



Upper Limit(percentile)

95



Lower Limit(percentile)

5



Class Frequency

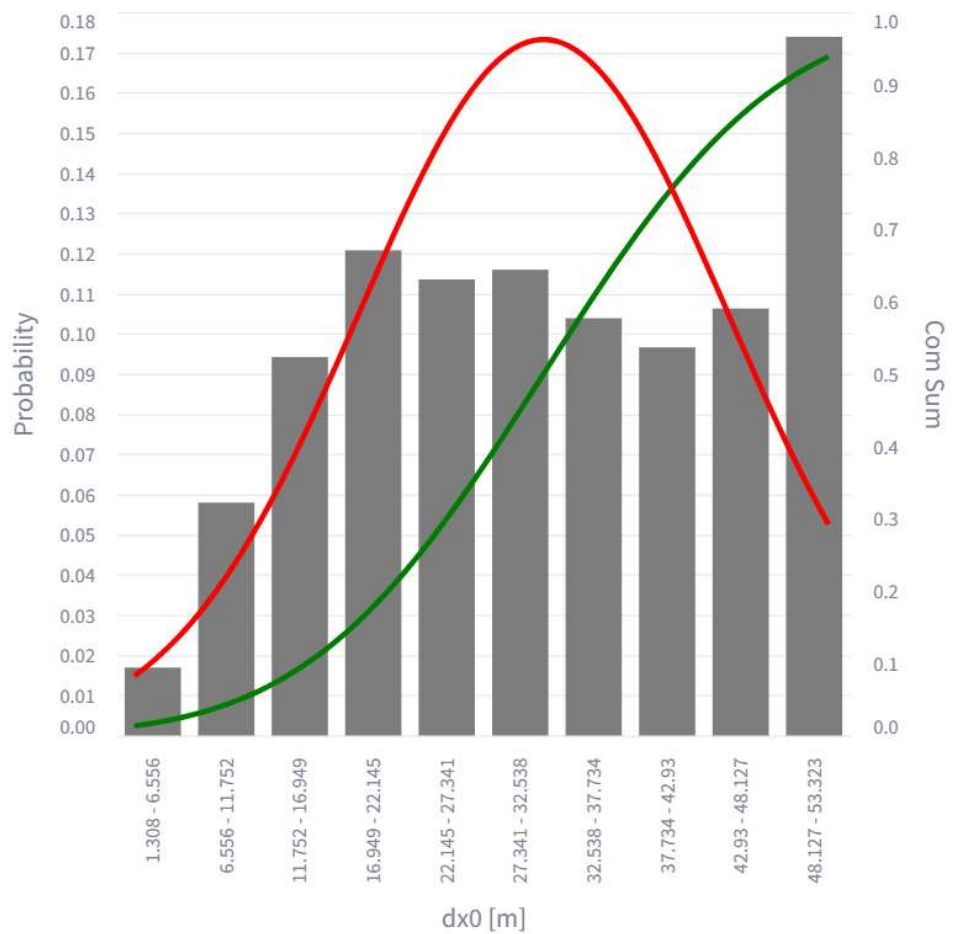
10



AIC: 3353.1

Upper: 54.72

Lower: 9.26



Probability - Maximum lateral velocity

Distribution Type

Normal

Upper Limit(percentile)

95

Lower Limit(percentile)

5

Class Frequency

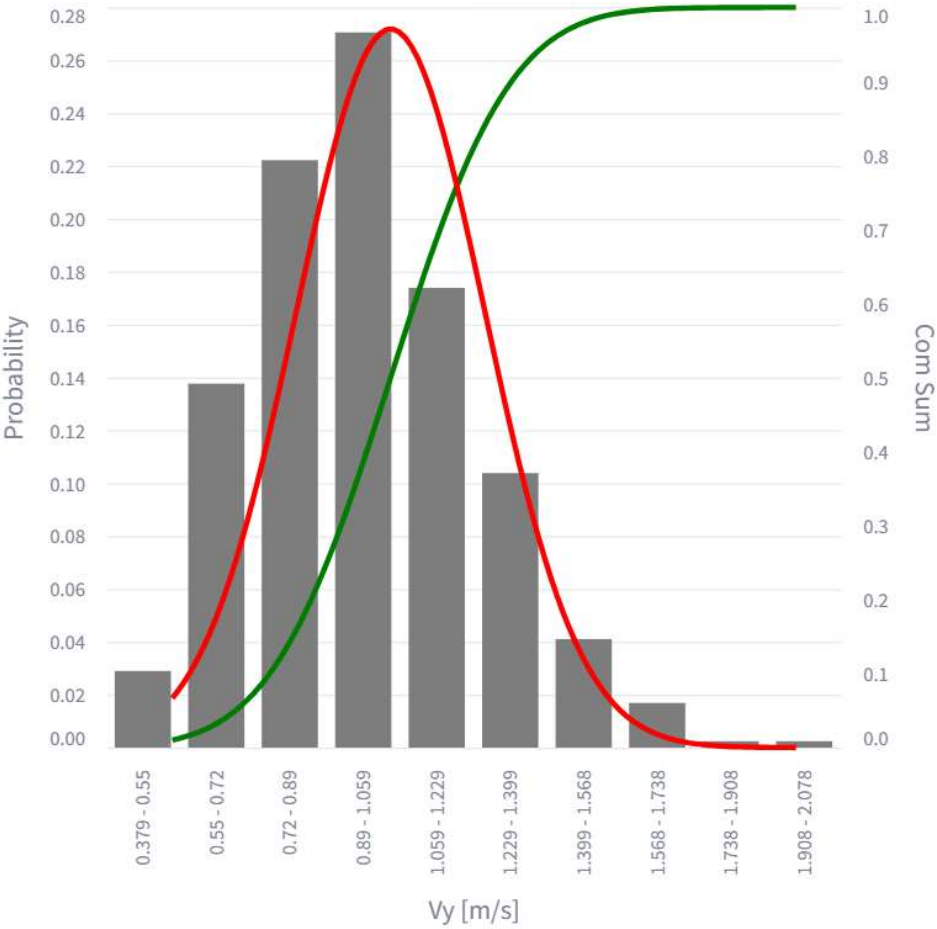
10

AIC: 53.32

Upper: 1.4

Lower: 0.55

Surrounding Traffic Disturbance



Parameter1

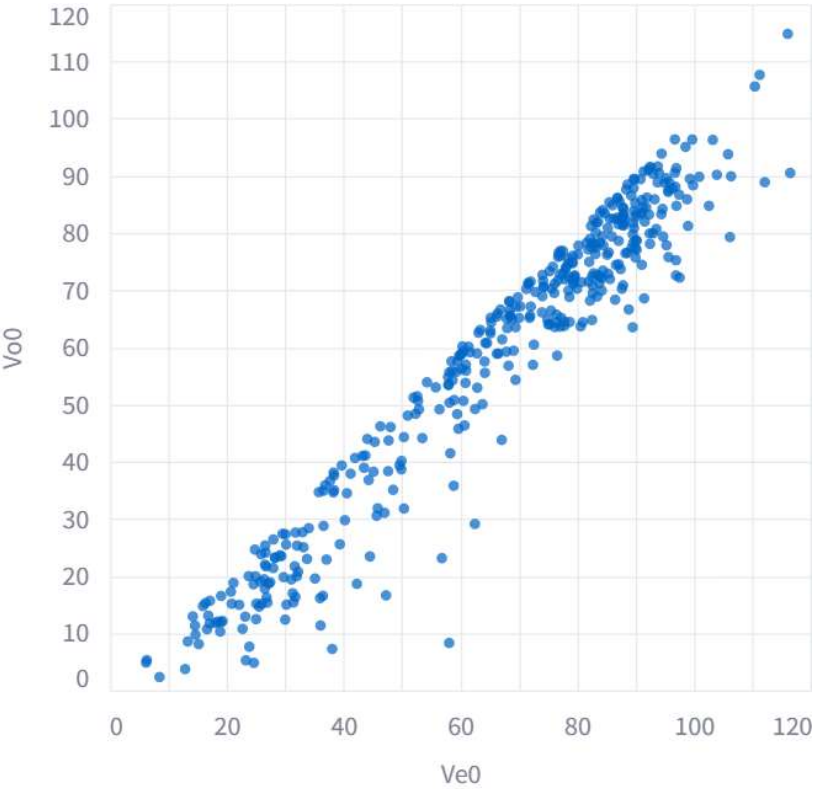
Ve0

Parameter2

Vo0

Click or Drag dots to see the associated evidence data in the table below.

If you want to do scaling or translating, hold down the SHIFT key.



[Link to ER Diagram of Evidence Data](#)