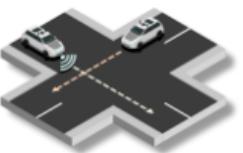


## 1 Interaction Types



Following



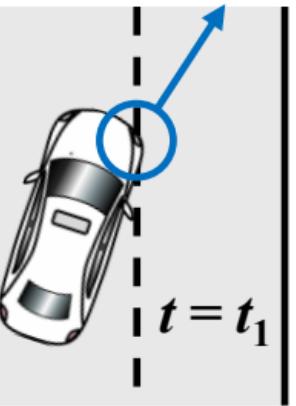
Crossing



Merging ✓

## 2 Interaction Starts

Touch lane line



Status variation

Speed, acceleration, yaw rate, orientation, ...

Interaction State

Relative position, relative speed, TTC variation, ...

Abnormal behavior

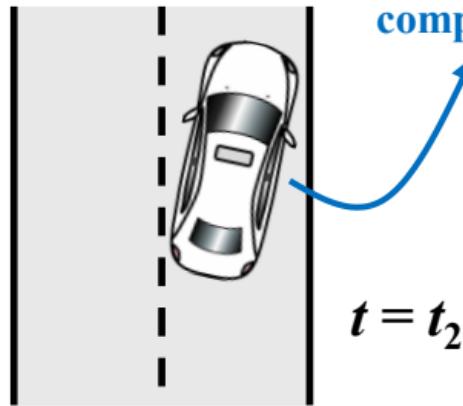
Have sudden brake, sharp turns, or lane departures?

Language description

a  
Interaction starts at  $t_1$  .....  
During interaction, vehicle speed changes .....  
The relative distance remains stable .....  
.....  
No abnormal behaviors were detected.

## 3 Interaction Ends

Enter another lane completely



*Interaction*

$t = t_1$

$t = t_2$