

Why do the deer jump out suddenly?



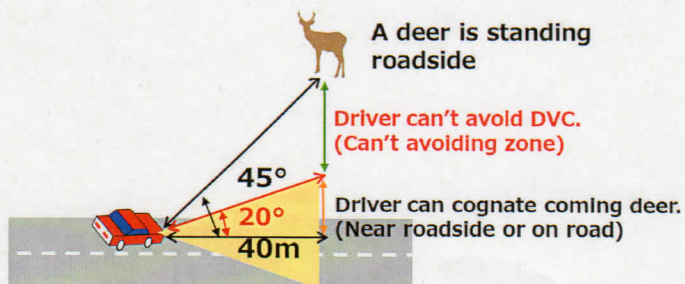
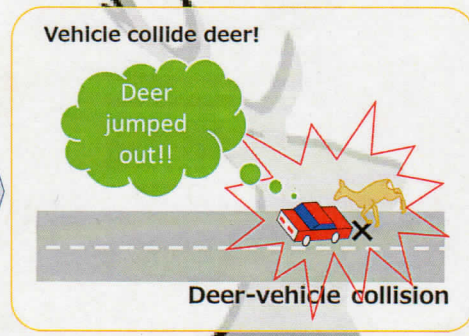
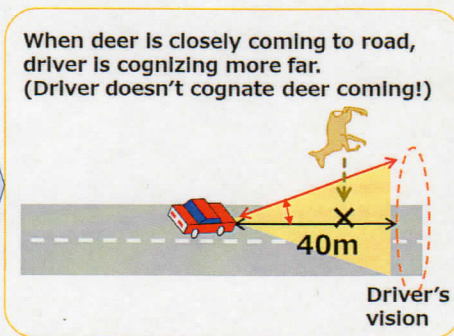
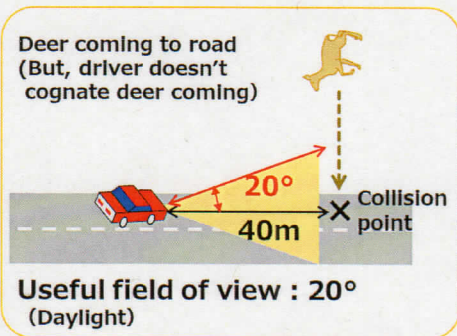
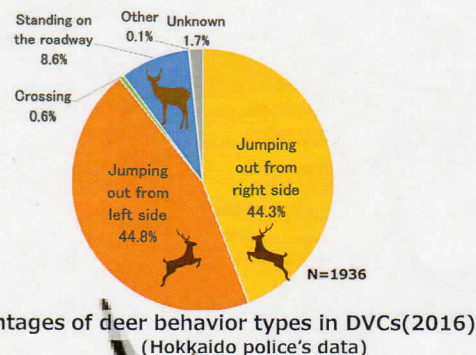
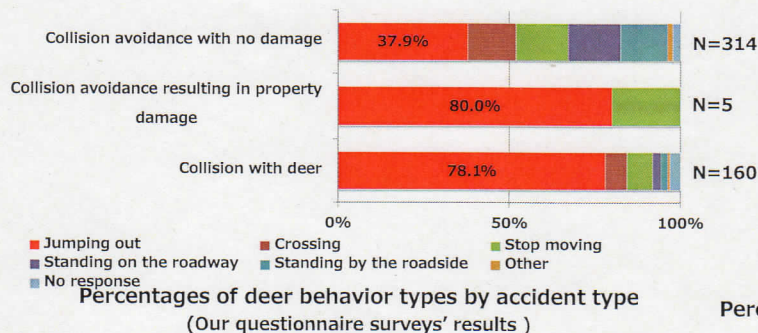
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Introduction

To prevent wildlife-vehicle collisions(WVC), other than establishing facilities for accident prevention, various efforts to increase drivers' awareness of the accident risk have been made. For example, by providing risk information through brochures, websites, and installing warning signs. To make those efforts more effective, more specific accidents situations need to be identified.

Deer-vehicle collision's situation

The authors discussed wildlife-vehicle collision situations based on driver visibility. We carried out a questionnaire about the traffic accident with the deer. 78% of people who collide with a deer answered that a deer jumped out in front of their car. It was the same tendency even if we researched the accident data of the police. Why did the deer seem to jump out suddenly? We believed 'the driver's useful field of view' to be related. When we drive a car, we always confirm whether it is safe in front of us. When an animal approaches a vehicle, the driver is still looking in front of him rather than at the side of the car. In that case, the driver does not notice that there is an animal. As a result, the driver feels as if the animal comes out of nowhere.



If we can stop deer coming to road a few second, we may avoid a lot of DVC.

To prevent deer-vehicle collisions

It would be useful to inform drivers about the existence of animals in a particular area to prevent any accident from happening, for example by using animal detection systems.