**How safe can a cyclist feel in Basel?**

In accidents involving bicycles, the risk of being seriously injured or even killed is four times higher than in accidents involving pedestrians or cars – based on data from 2023.

Between 2011 and 2023, Basel recorded over 10,000 traffic accidents involving either cars, pedestrians, or bicycles. Among these, 1,800 involved bicycles – an average share of 16%. But in 2023 alone, this number jumped to 25%.

**A linear regression revealed a significant annual increase of nearly 1 percent in the share of bicycle accidents (p = 0.003).**

This trend highlights the importants of addressing cyclist safety. That’s where Vision Zero comes in – a strategy that accepts no casuality or serious injuries in road traffic as acceptable. It aims to redesign infrastructure so that even human error doesn't lead to serious harm.

Vision Zero proposes several strategies, including:

more separated bike lanes and sidewalks, as well as Speed limits in specific areas and more.

As part of this, we want to evaluate a key measure:

Does marking a bicycle lane reduce the probability of accidents involving bicycles?

**Änderung nach dem letzten Meeting**

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**The accidents involving bicycles grew by about 1 percent each year.**

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Despite annual fluctuations, the overall trend shows a slight annual increase in average bicycle usage (β = 0.41 per year).