



Assignment for PMIM502

Module number:	PMIM502
Module name:	Data Visualisation
Title of assignment:	Scientific Poster: Is Cycling Safer?
Student ID number:	2311233
Word count:	Not applicable
Declaration:	<p>I understand the following conditions which apply throughout this course:</p> <p>1.I confirm that I am the sole author of this work.</p> <p>2.I understand that proof reading by a third party is discouraged, but if used, records should be available as per guidelines.</p> <p>3.I understand the need for academic integrity and that all my submitted work will adhere to its principles.</p> <p>4.I understand that the teaching team will take measures to deter, detect and report any academic misconduct.</p> <p>5.I agree to my work being submitted to the TurnItIn academic database.</p> <p>6.I understand the importance of assignment deadlines and the need to seek help in good time where personal circumstances interrupt my work.</p>

Please copy and paste this declaration onto the front of the submission.

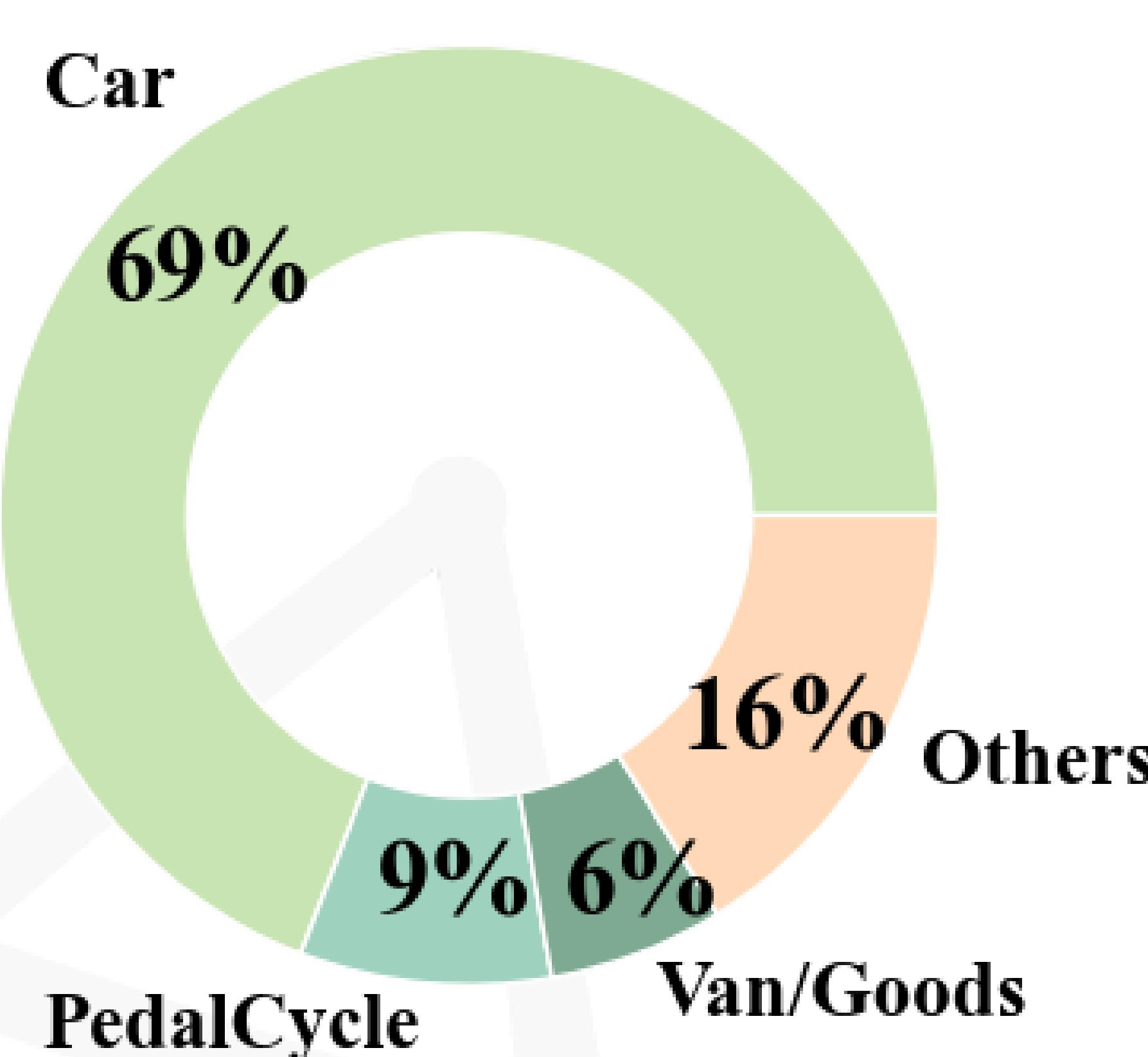
Is Cycling Safer ?

INTRODUCTION:

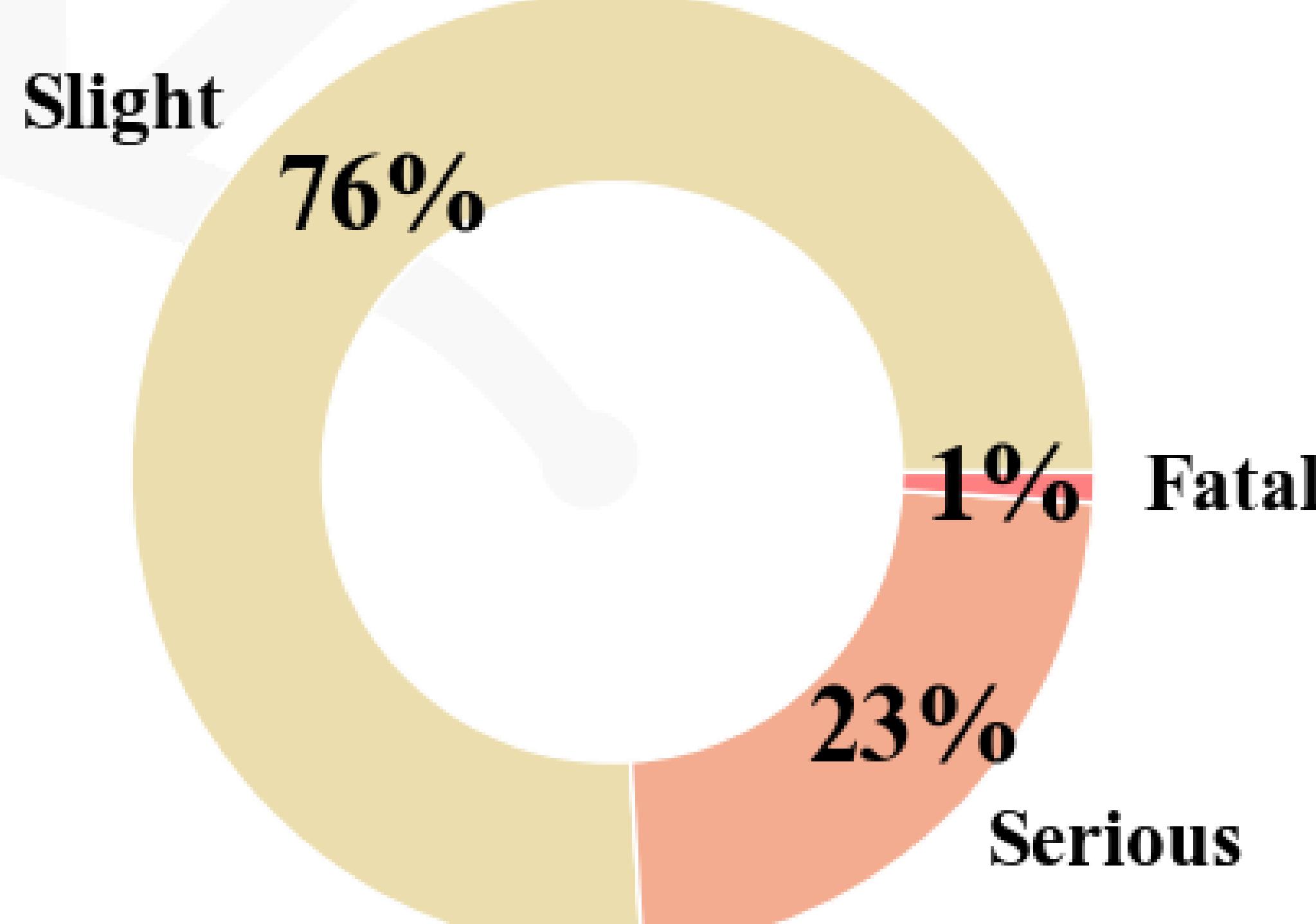
Modern age promotes use of pedal cycle more for environment and physical health benefits. This data analysis aims to investigate the involvement of **pedal cycles in collisions** for the period **2018–2022, sourced Stats19 UK data** to address common WH questions about safety concerns related to pedal cycles.

OBSERVATION:

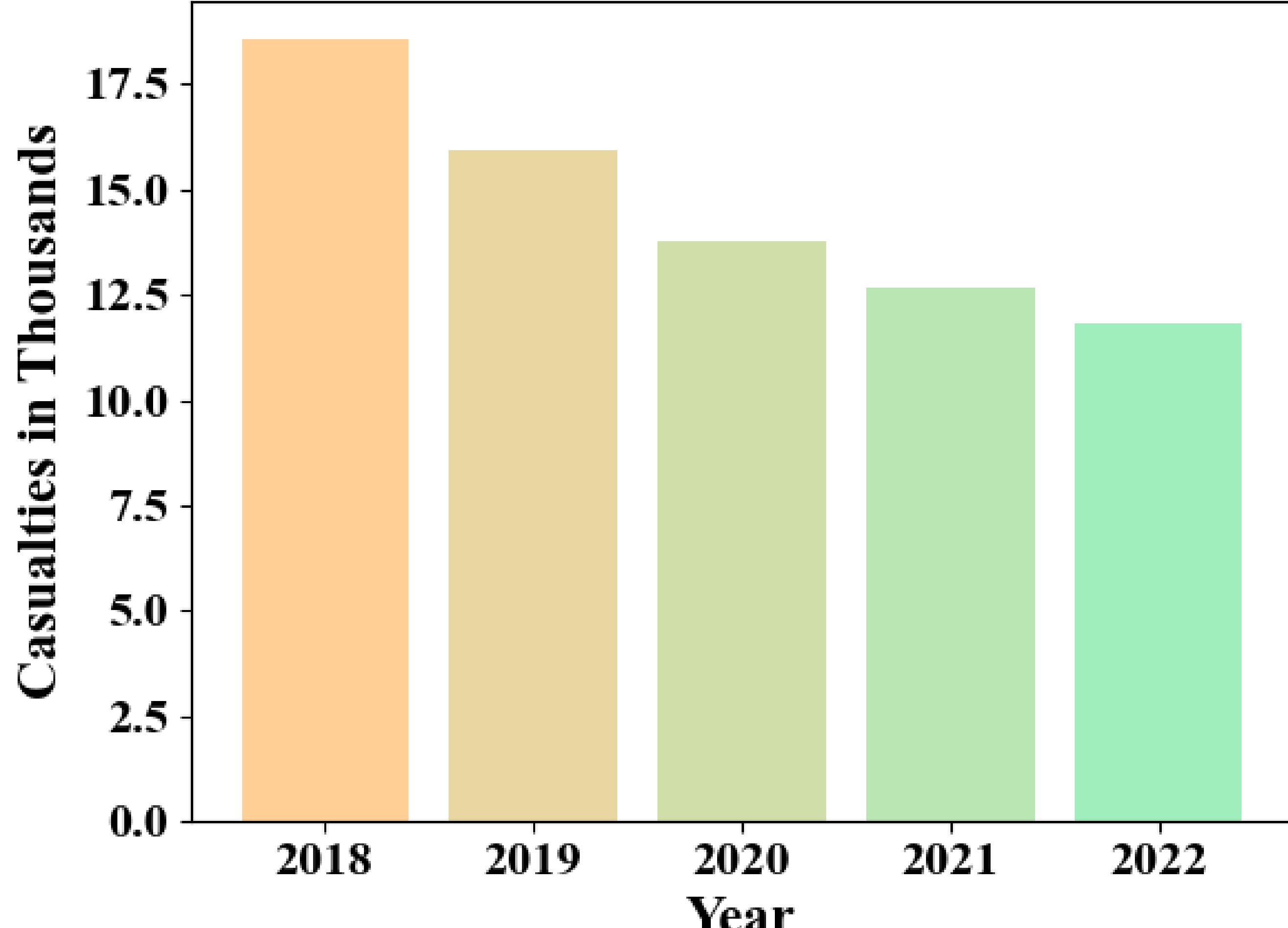
Overall Collisions Per Vehicle



Collision Severity Of Cycles



Count of Cycle Casualties 2018-2022



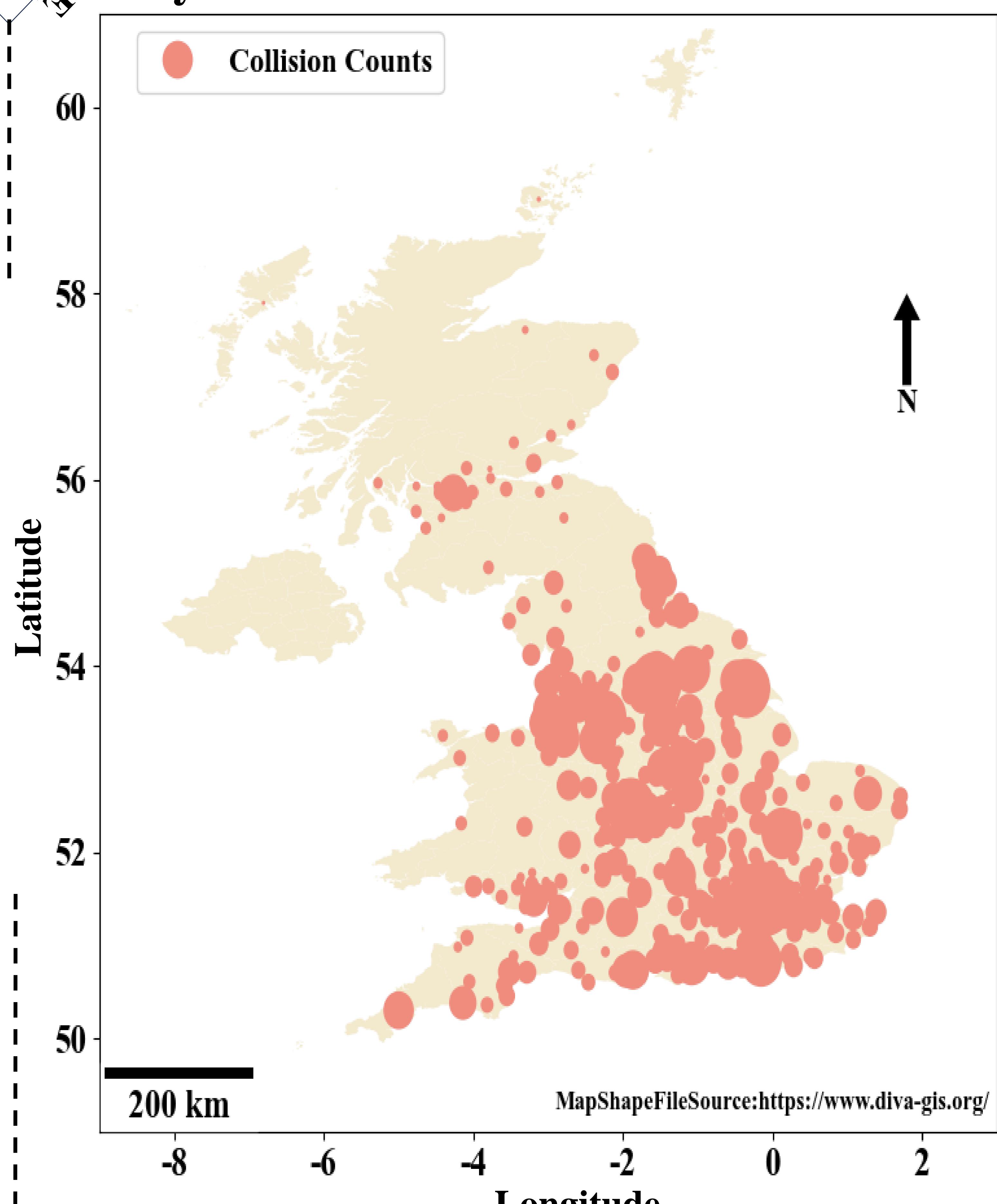
CONCLUSION:

- Yes, Cycles are becoming **safer** in general.
- 1% fatal, 23% serious, 76% slight injuries.
- 75% occurred on Single carriageway roads.
- Males(79%) **4.15x** more in collisions than Females(19%).
- Majority Collisions happen in **England** districts.

Top Age Bands in Cycle Collisions as per Severity & Gender

Fatal	Serious	Slight
46-55 21.5%	26-35 22.3%	26-35 28.9%
56-65 18.7%	46-55 19.3%	26-35 22.2%

Cycle Collision Counts in UK Districts



Source Data: Stats19 UK Collision Data 2018-2022

Poster Design: Akson SV, 2311233