



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> <ul style="list-style-type: none">1.I confirm that I am the sole author of this work.2.I understand that proof reading by a third party is discouraged, but if used, records should be available as per guidelines.3.I understand the need for academic integrity and that all my submitted work will adhere to its principles.4.I understand that the teaching team will take measures to deter, detect and report any academic misconduct.5.I agree to my work being submitted to the TurnItIn academic database.6.I understand the importance of assignment deadlines and the need to seek help in good time where personal circumstances interrupt my work.

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

Is Cycling Safer ?

INTRODUCTION:

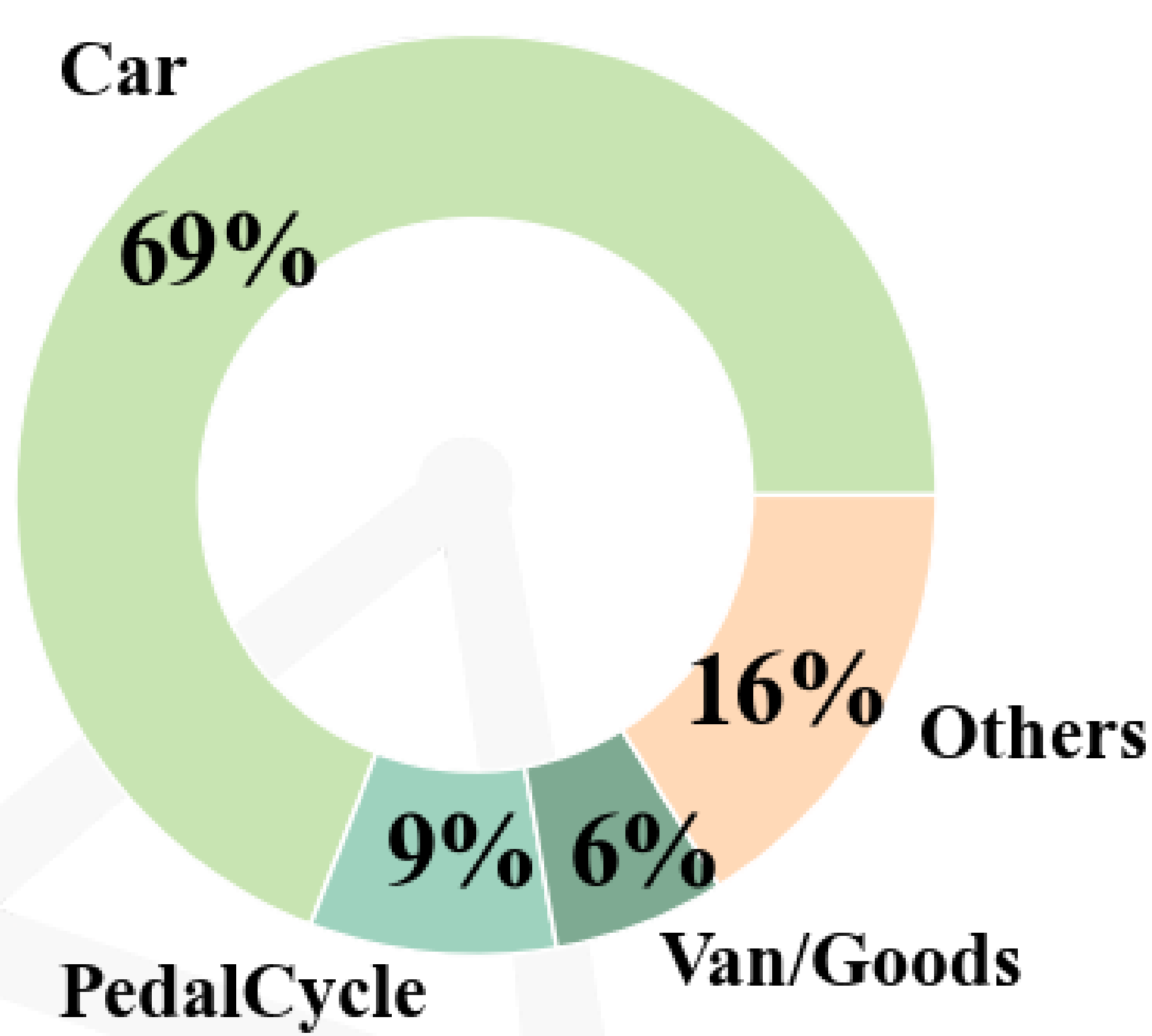
Modern age promotes use of pedal cycle more for environment and physical health benefits. This data analysis aims to investigate the involvement of **pedal cycles in collisions** for the period **2018–2022**, sourced **Stats19 UK data** to address common WH questions about safety concerns related to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

OBSERVATION:

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**.

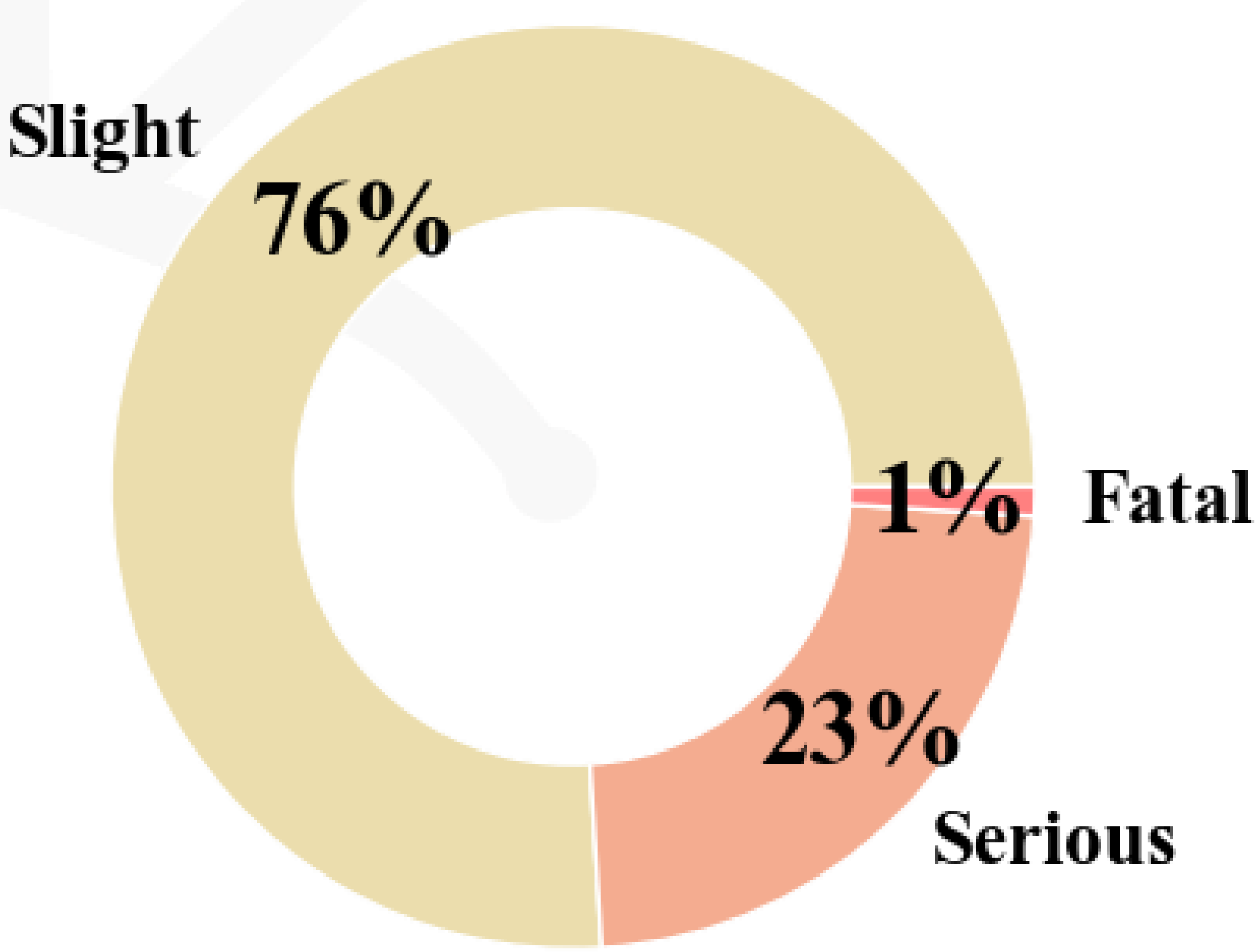
Overall Collisions Per Vehicle



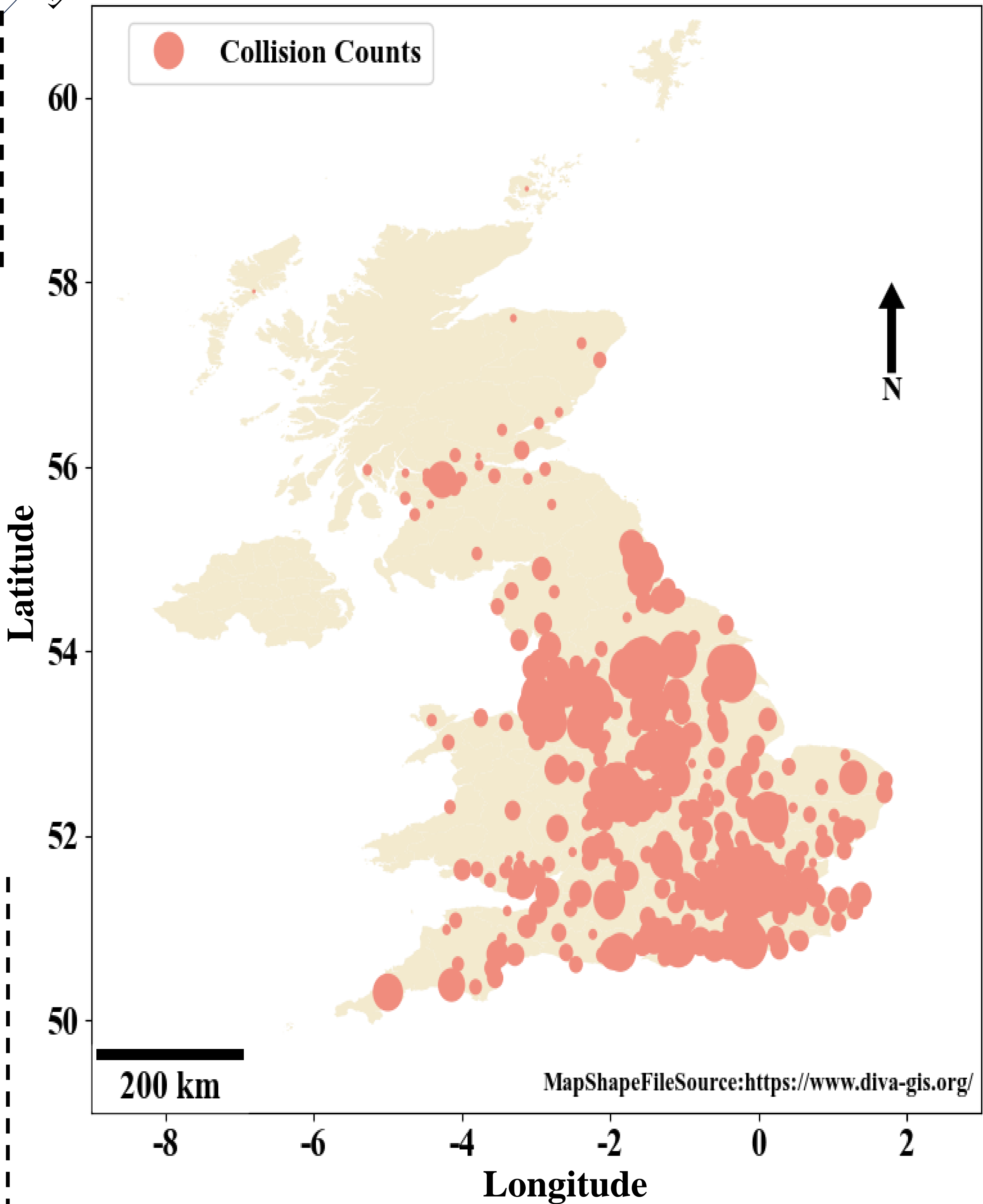
Top Age Bands in Cycle Collisions as per Severity & Gender

	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%

Collision Severity Of Cycles



Cycle Collision Counts in UK Districts



Count of Cycle Casualties 2018-2022

