Cycling and Road Lighting

# Summary

Evidence shows that darkness discourages people from cycling (Mendiate et al. 2022; Ribbens 2008; Winters et al. 2010; Uttley, Fotios, and Lovelace 2020). This is due to a higher perceived danger of cyclists at night from motorised traffic and personal security, which disproportionately affect women, the elderly, and disadvantaged groups (Sustrans 2018).

Road lighting increases cyclists’ sense of safety at night by helping them see and be seen by other road users during their journey. It also provides them with a greater sense of security against possible threats in the dark.

Using night lighting data, Strava Metro data, and other environmental datasets, we intend to examine in-depth the relationship between road lighting and cycling.

Our findings are intended to influence future lighting design and cycling infrastructure standards to make cycling safer and more equitable.

# References

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