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Award-winning paper in 2019.

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Announcement

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Municipal Engineer

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Award-winning paper in 2019

Papers published in *Municipal Engineer* are eligible for awards from the Institution of Civil Engineers. Papers from any of the ICE journals can be nominated for several awards. In addition, each journal has awards dedicated to their specific subject area.

On Thursday 4 June 2020, awards were announced for the following paper published in *Municipal Engineer* in 2019. The editorial panel nominated their best paper and an awards committee chaired by Tim Broyd allocated the awards

James Hill Prize

The James Hill Prize was awarded to Matthews *et al.*, (2019)

Abstract

Road safety practitioners are tasked with maintaining safety on their network, primarily by identifying collision hotspots to which resources should be allocated and by ensuring that road safety schemes are operating effectively. Both these tasks often require the analysis of road

safety count data (e.g. regarding collisions or casualties); however, these data are frequently bedevilled by confounding statistical factors such as regression to the mean (RTM) and trend. Failing to account for these factors can lead to misallocation of resources as well as sites at risk of high counts not receiving treatment. To overcome this, methods are proposed in this paper which clean data for RTM and trend to allow for more accurate scheme evaluation, and a proactive approach for hotspot prediction. Unfortunately, these techniques require the development of complex, statistical algorithms and so can be inaccessible to some practitioners. To overcome this, user-friendly software applications have been developed and are described here, which implement the aforementioned techniques, with an additional application to investigate the potential collision contributory factors at sites.

REFERENCE

Matthews J, Newman K, Green A *et al.* (2019) A decision support toolkit to inform road safety investment decisions. *Municipal Engineer* **172**(1): 53–67, <https://doi.org/10.1680/jmuen.16.00057>.