

Traffic volume estimation from traffic camera imagery: Toward real-time traffic data streams

Released at 8:30 a.m. Eastern time in *The Daily*, Tuesday, September 6, 2022

This paper presents a computer vision-based system to periodically extract vehicle counts from Canadian traffic camera imagery. The processing system pulls static images at high-frequency intervals from the traffic camera Application Programming Interfaces and generates real-time counts of the detected vehicles (car, bus, motorcycle, etc.). Different methods of estimating traffic volumes from the counts were implemented and assessed.

The paper "[Traffic volume estimation from traffic camera imagery: Toward real-time traffic data streams](#)," part of the publication *Reports on Special Business Projects (18-001-X)*, is now available.

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