# Milad Delavary | Research Scientist



# Professional memberships

Member of the Québec Road Safety Research Network

Member of the Canadian Association of Road Safety Professionals (CARSP/ACPSER)

Member of the editorial board of the Journal of Safety Research (JSR) The Traffic Injury Research Foundation (TIRF) mission is to be the knowledge source for safe road users and a world leader in research, program and policy development, evaluation, and knowledge transfer. TIRF is a registered charity and depends on grants, awards, and donations to provide services for the public.

#### Visit www.tirf.ca

Milad Delavary has been a research scientist with the Traffic Injury Research Foundation (TIRF) since December 2021. He is a statistician and road safety engineer. His doctoral thesis topic was about analyzing paramedics' road collision datasets in the province of Québec, Canada. His master's thesis was on the application of time series models to evaluate the impact of law enforcement on gender-specific incidence rates of road traffic injuries and mortalities in Iran. Milad's research interests are road safety, first responders, public health, epidemiology, time series analysis, road safety policies, analysis of traffic interventions, change point detections, and space-time modeling.

#### Career and research highlights:

Since graduating from the master's program, Milad served as a traffic engineer consultant for several municipalities in Iran. In this role, he worked on traffic and geometric design of roads for municipalities in Iran.

Milad is trilingual (professional proficiency in Farsi, English, and Upper Intermediate in French).

Milad analyzed paramedics' collisions in the province of Québec during his Ph.D. thesis using statistical tools as well as descriptive tools. He expanded his research interest to focus on the impact of policies and restrictions related to COVID-19 on newly confirmed cases of COVID-19 as well as traffic safety.

## Milad Delavary | Research Scientist

## For more information about TIRF visit **www.tirf.ca**

#### Academic highlights:

TIRF

Milad received his Ph.D. in Biology and Health Science at the University of Québec. He studied the prevalence and contributing factors involved in ambulance crashes in the province of Quebec.

He received his master's degree in Transportation and Road Engineering from the University of Mashhad, Iran, in 2018 with professional training including road safety engineering, time series analysis, and transportation modeling. He evaluated the impact of policies like increasing traffic fines and law enforcement on road safety using interrupted time series analysis. He also forecasted mortalities and injuries on road traffic in Iran using SARIMA and state-space models.

Milad has published and presented more than 20 journal and conference papers in civil and transportation engineering, occupational safety, and health science.

Milad is a reviewer for journals like Accident Analysis and Prevention.

### Selected bibliography:

#### Road traffic mortality in Iran: longitudinal trend and seasonal analysis March 2011-February 2020 (2023)

#### Effect of eco-driving on commercial motor vehicle driver collision risk (2024)

Journal of Safety Research

Injury Control and Safety Prevention

RESEARCH ARTICLE		<ul> <li>Ownit for update</li> </ul>
Road traffic mortality in Iran: longitudin 2011-February 2020	al trend and seasonal an	alysis, March
Milad Delavary <sup>1</sup> , Amir Hossein Kalantari <sup>1</sup> , Abolfad Noha Martin Lavallière <sup>4</sup> and Felix Wilhelm Siebert <sup>4</sup>	errmadzadeh Moghaddamf, Vahid	Fakoor <sup>4</sup> ,
Department of Health Sciences, Laboratoire BioMi and Gentre Intersect Olicotenis, Dolbec, Canada, Ministeate for Enraport Scidee, Diversity Rockly of Engineering, Endocate Ubioinsty of Machibed, Earce Monthes Feedback Ubioinsty of Machibed, Razovi Khencean, Iant, "Department of Demmark, Enginge, Demmark	of Leeds, Leeds, United Kingdom; 'Department, has: 'Department of Statistics, Faculty of	et of Ovi Engineering. Mathematical Sciences,
AFTINGT Based onfor in traverse for the location are among the location interface of the second second second second second second multicide from the second second second second second multicides from the second second second second second destination of the second second second second second destination of the second second second second second destination of the second second second second destination in the second second second second destination is also be second second second second destination in the second second second second destination is also be second second second second destination of the second second second second destination of the second second second second destination of the second second second second second destination of the second second second second second destination of the second second second second second second destination of the second second second second second second destination of the second second second second second second second destination destination of the forther second s	on interrupted time series analysis, we and final price increases and increased ga showed that while the ownall trend al provinces showed smaller reductores out field price increases coincided with TIM decreases in a smaller number of i intervention may not be as effective active in a small number of provinces.	ARTICLE INSTORY Revived 10 April 2021 Revived 11 April 2021 Reviewed 11 April 2021 Namped 15 Analysis Reviewed 10 April 2021 Reviewed 10
1. Linkakutka 11. Jahogan 12. Jahogan 13. Jahogan 13. Jahogan 14. Jahogan 1	of increasing nucl askity in the cor- and line in strategic elevitors that is improve proteints using or impro- medical merics. According to the improve proteints using on the strategic en- ternism of the strategic enternism. The projection (normality rate of 3000) of projection (normality rate of 3000) of projection (normality rate of 3000) of the strate of the strategic enternism. In all Models much uses due its more of the strategic enternism of the strategic enternism (in the strategic enternism) of the strategic enternism (in the strategic enternism) of the strategic enternism (in the strategic enternism) of the strategic enternism (in the strategic enternism) of the strategic enternism (	heaki be rusined und speeding, researes i versato i d'rad-ruika Road. Safey Strang (il road-ruike) speed i mortalisie per 100,00 1 i to 9 mortalisies per 2020. However, betwee 6 in the Shamat clade or per 100,000 popul ramber that was aime neo ally rusine's Strang motality matches ha e Boad. Safey Strang motality matches ha i beiere fronti long tarr franks logal Medicity (il Roads & Dh I road safey messane



## TIRF Educational Resources

Action2Zero action2zero.tirf.ca

> Drop It And Drive<sup>®</sup> diad.tirf.ca

Community-Based Toolkit for Road Safety Campaigns tirf.ca/projects/ community-basedtoolkit-road-safetycampaigns

> Drug-Impaired Driving Learning Centre (DIDLC) druggeddriving.tirf.ca

GDL Framework Safety Center gdlframework.tirf.ca

Brain on Board brainonboard.ca

Wildlife Roadsharing Resource Centre (WRRC) wildliferoadsharing.tirf.ca

Sober Smart Driving sobersmartdriving.tirf.ca

Young and New Driver Resource Centre **yndrc.tirf.ca** 

Alcohol Ignition Interlock Curriculum for Practitioners **aic.tirf.ca**