Khon Kaens Data for Road Incident

Visualization Evaluation

And Reporting System

Intelligent Transport Systems Forum

25 October 2019

Quality Infrastructure Investment Partnership WORLD BANK GROUP







Global Road Safety Facility

Sha

"What is not measured is unknown... and what is unknown cannot be managed"

WHY DO WE NEED DATA

Reliable safety and traffic data is essential to:

Prioritize road safety vis a vis other public health issues

Assess the full nature of the road safety problem (who is at risk ? When ? Why ?)

Assess the real economic costs associated with road crashes

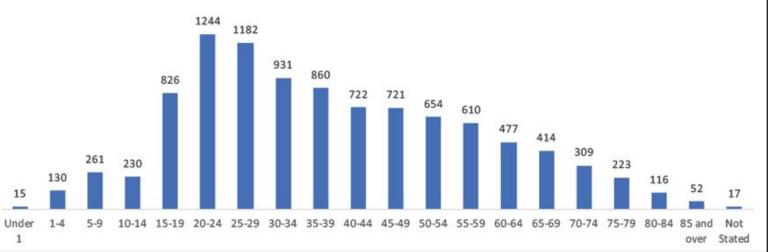
If the problem is underreported, less likely to receive the right level of investment Design the most (cost) effective road safety interventions Monitor progress and adjust work plan

Data on the magnitude of the problem and the risk factors are essential to develop a systematic approach to road safety: At the heart of a **SAFE SYSTEM APPROACH**

ROAD SAFETY In the philippines

- 30 recorded fatality per day (PSA, 2016)
- Majority are 20-29 year olds
- Most fatalities involve: 53% Motorcycles and 19% Pedestrians (DPWH, 2013)

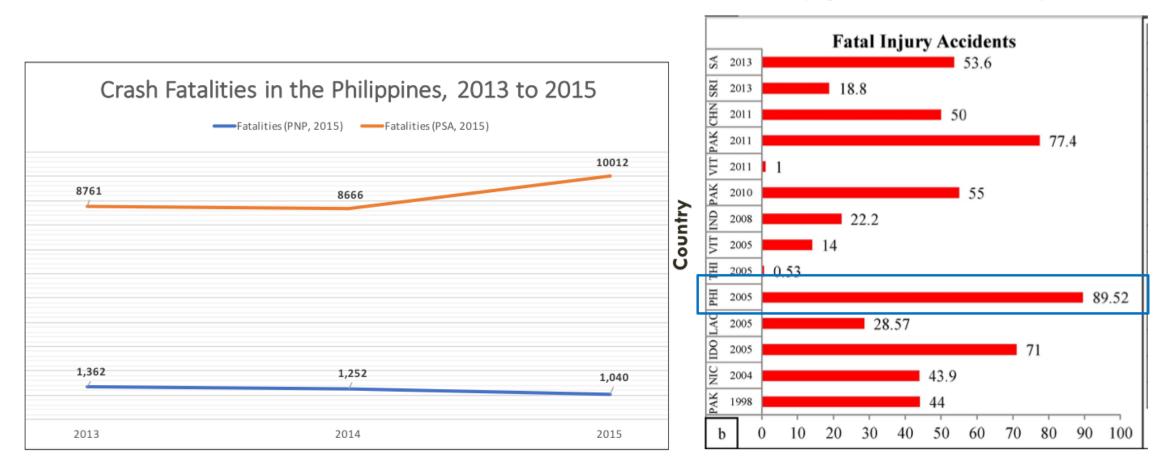


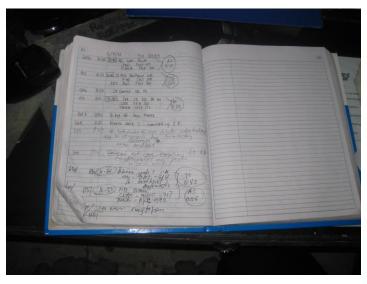


UNDERREPORTING

Percentage of Underreporting in Selected Countries

(Sigua and Palmiano, 2005)



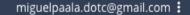


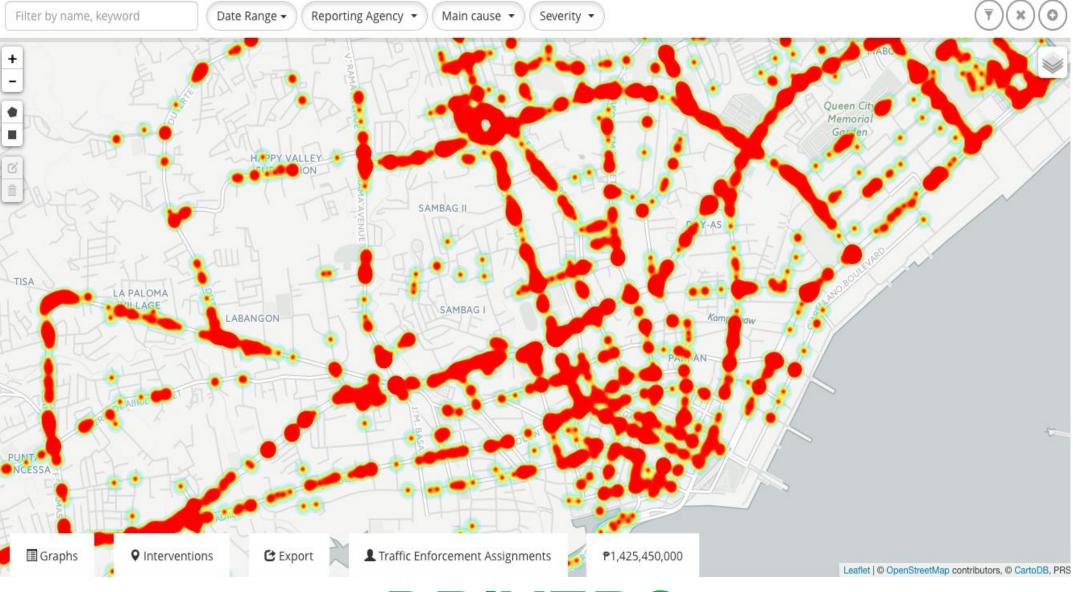




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DRIVER Central Visayas (Region VII) -Map 👻 Regions -





DRIVERS

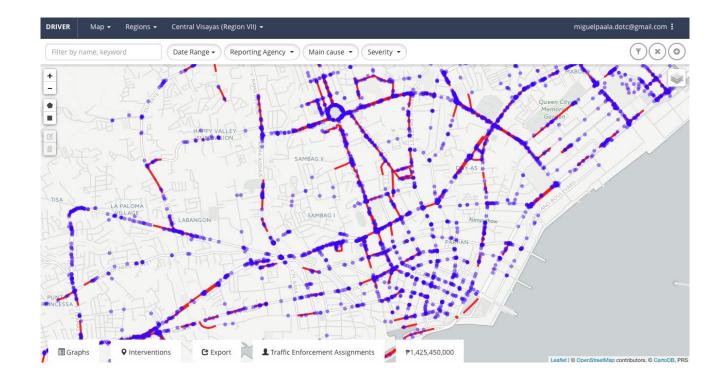
DRIVERS

DRIVER – Data for Road Incident Visualization, Evaluation, & Reporting System

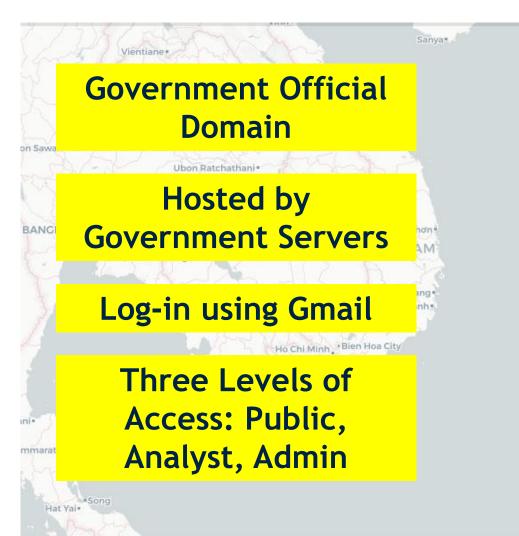
Web-based and open source system for geo-spatially recording & analyzing road crashes

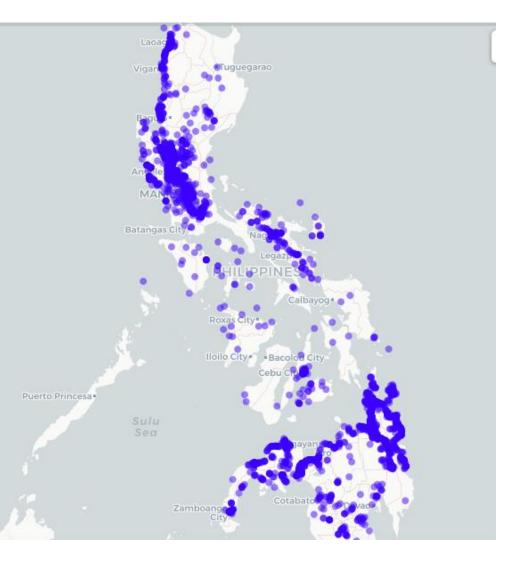
A way to link multiple agencies as well as a means to <u>standardize terms & definitions</u> for reporting crash data

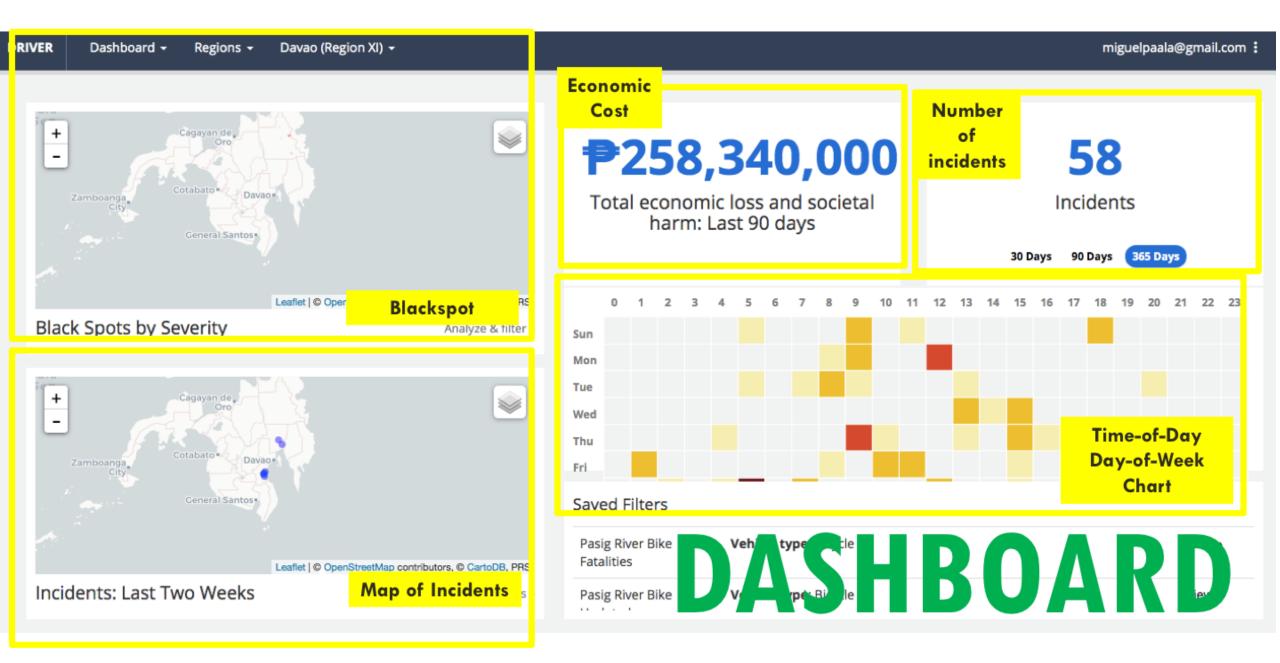
A suite of <u>analytical tools</u> to support evidence-based investments & policies & a platform for monitoring the impact of interventions



ROADSAFETY.GOV.PH







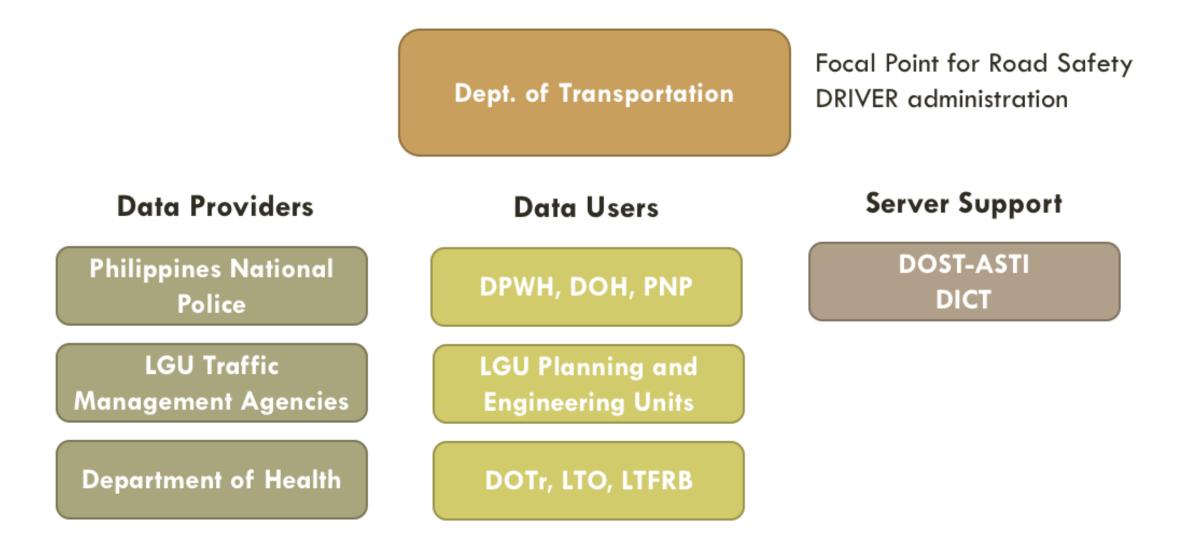


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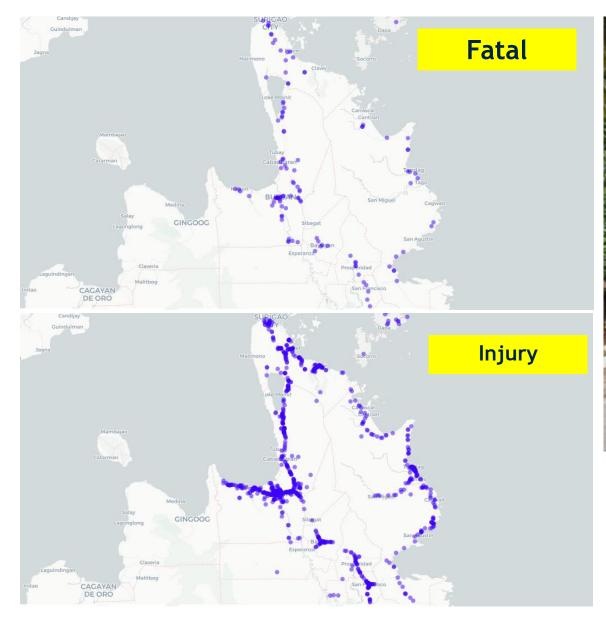


DATE & TIME	SEVERITY	MAIN CAUSE	COLLISION TYPE	DESCRIPTION	
10/09/2015, 5:38:00	Property			Collision Between Mo	🕄 View 🖍 Edit
10/09/2015, 4:21:00	Property			Collision Between Va	🕄 View 🖍 Edit
10/09/2015, 3:18:00	Property			Collision Between Pi	🕄 View 🖍 Edit
10/09/2015, 3:13:00	Property			Collision Between Bo	🔁 View 🖍 Edit
10/09/2015, 2:38:00	Property			Collision Between Ta	🔁 View 🖍 Edit
10/09/2015, 2:23:00	Property			Collision Between Se	🔿 View 💉 Edit
10/09/2015, 1:14:00	Property			Collision Between Ta	🔿 View 💉 Edit
10/09/2015, 1:03:00	Property			Collision Between Mu	🔁 View 🖍 Edit
10/08/2015, 23:49:00	Injury			Collision Between Mo	🔁 View 🖍 Edit
10/08/2015, 23:07:00	Property			Collision Between Bo	🔁 View 🖍 Edit
10/08/2015, 22:20:00	Property			Collision Between Bi	🔿 View 💉 Edit
10/08/2015, 5:52:00	Property			Collision Between Se	→ View 🖍 Edit
10/08/2015, 5:50:00	Property			Collision Between Bo	🔿 View 💉 Edit
10/08/2015, 5:12:00	Property			Collision Between Ta	J View 🖍 Edit

INSTITUTIONAL ARRANGEMENT



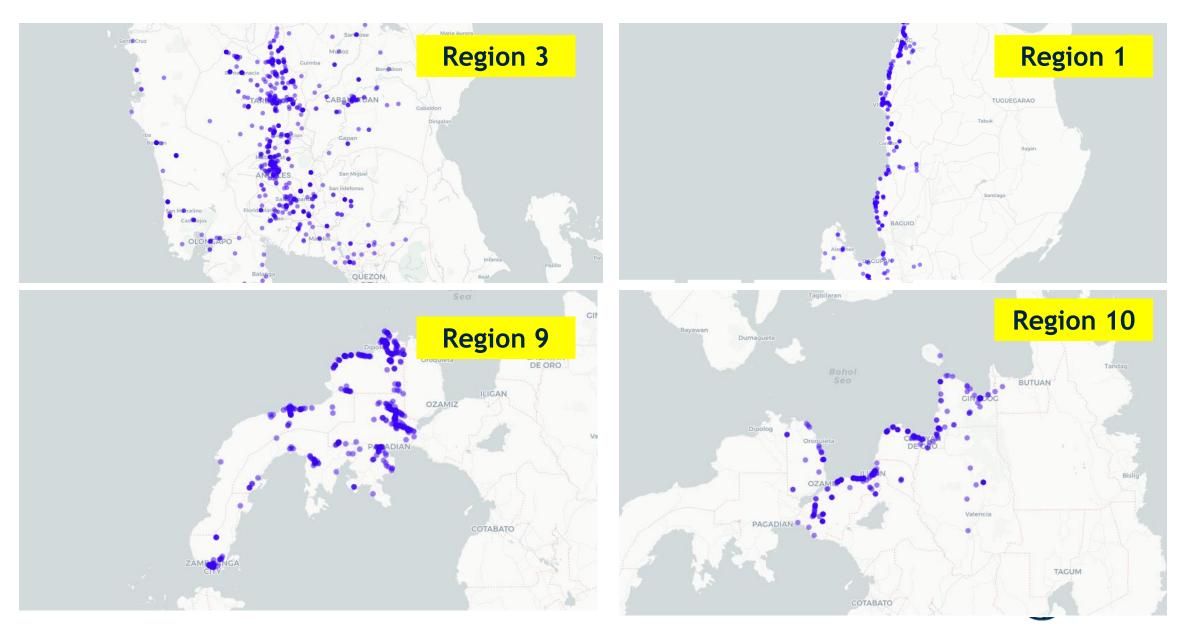
MANAGING BLACKSPOTS/BLACKLENGTH





Crashes in Region XIII by Severity January 2018 - present

MANAGING BLACKSPOTS/BLACKLENGTH

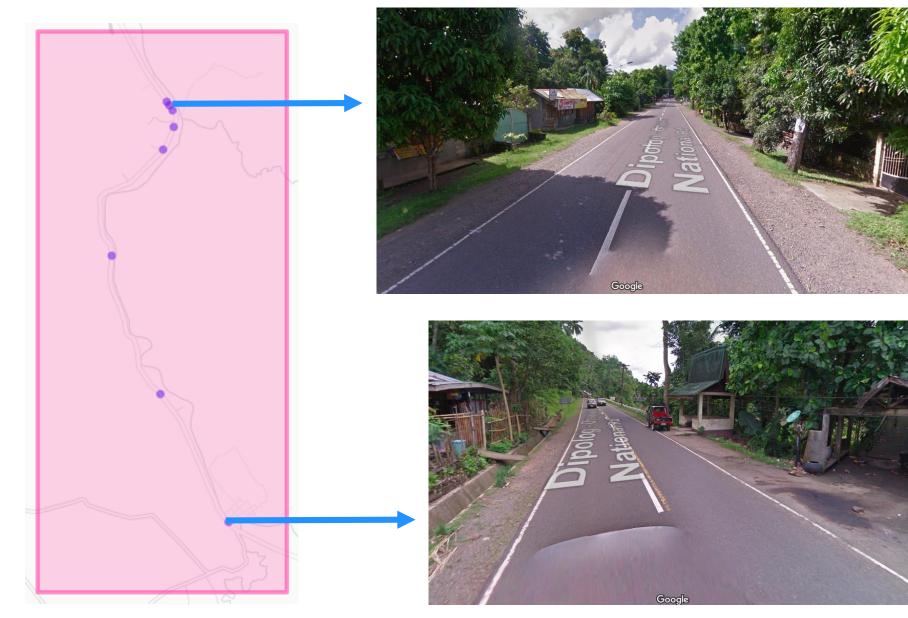


MANAGING BLACKSPOTS/BLACK LENGTH



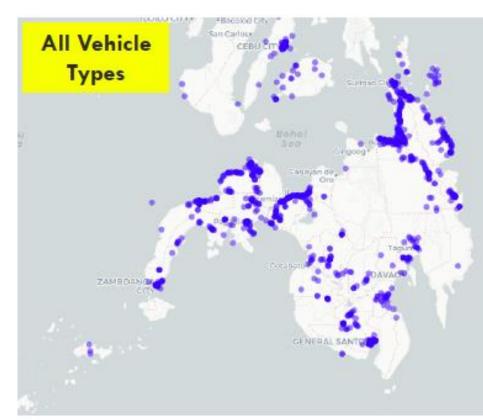
20 Fatal and Injury, Head-on, Motorcycle Crashes in Butuan-CDO-Iligan and Davao-Agusan (33km), 2018

MANAGING BLACKSPOTS/BLACKLENGTH

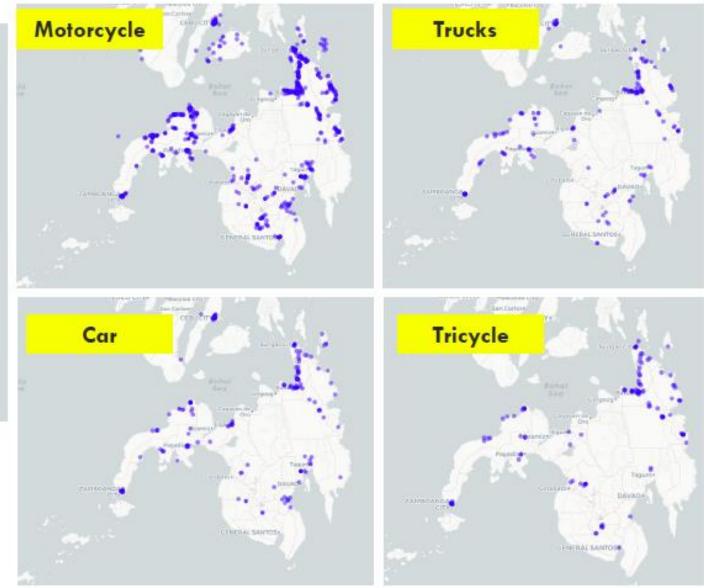


Hit-Pedestrian Crashes in Dipolog-Oroquieta National Road (8km), 2019

MASS ACTION TREATMENTS



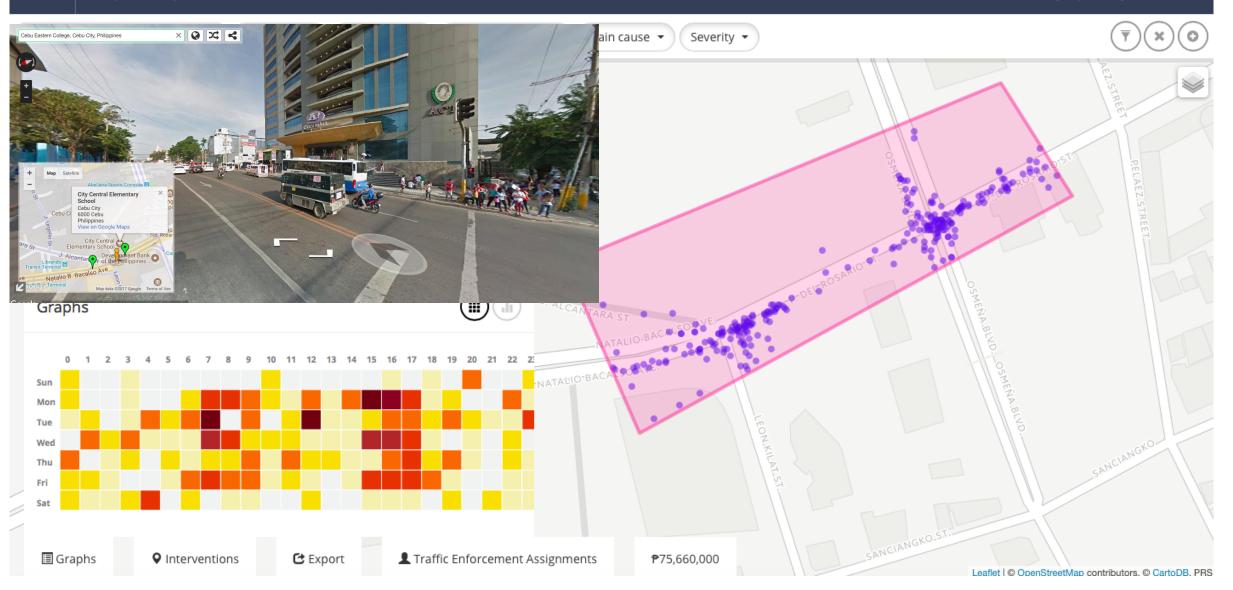
Crashes in Mindanao by Vehicle Type May 2018 - present



SCHOOL ZONES

DRIVER Map - City/Province - Cebu -

miguelpaala@gmail.com :





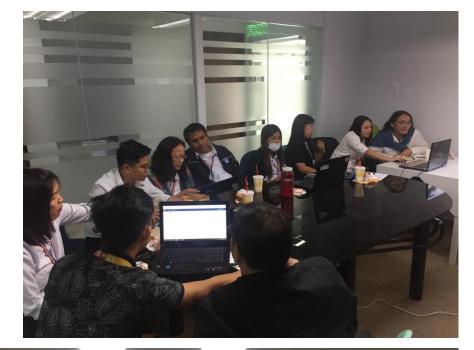
TRAININGS



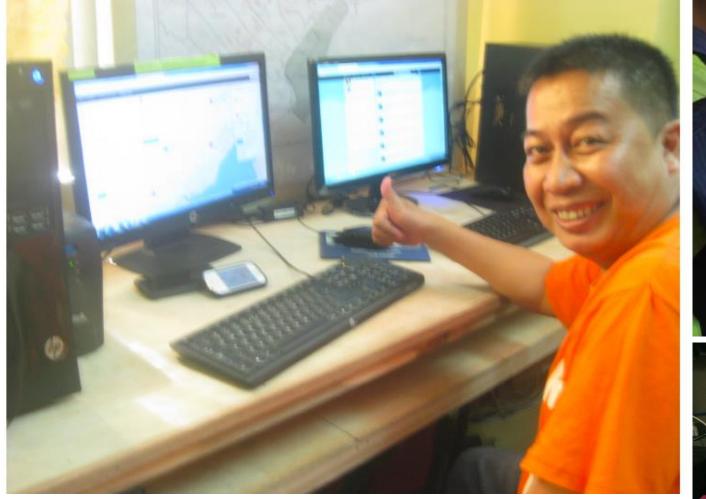




TRAININGS











THANK YOU!

Requesting for Analyst Access and/or additional training? Email <u>roadsafetydrivers@gmail.com</u>

Any more questions? Online User Manual - <u>roadsafety.ph</u> Email <u>miguelpaala@gmail.com or</u> <u>mpaala@worldbank.org</u>