Contributing to LA's Green Reporting



Sara Graham

&

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Overview

- About the HSRG
- Electronic Reporting
- Collaboration
- Location
- On-going Data Quality



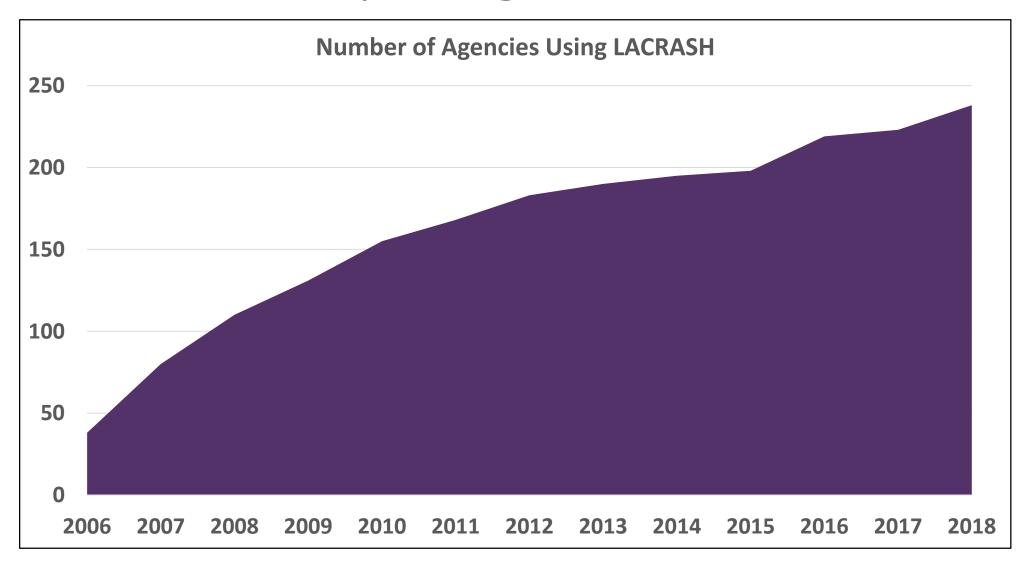


About the HSRG

- HSRG formed in 2002 to collect, enter, and store Louisiana's crash data – in partnership with the LA DOTD
- 3 full-time staff members in 2004
- HSRG released LACRASH software in 2005 to assist agencies in electronic reporting
- 16 full-time positions in 2018
 - Still collect, enter, and store
 - Data Quality, GIS, Infrastructure, Data Analysis, Business Analytics, Research



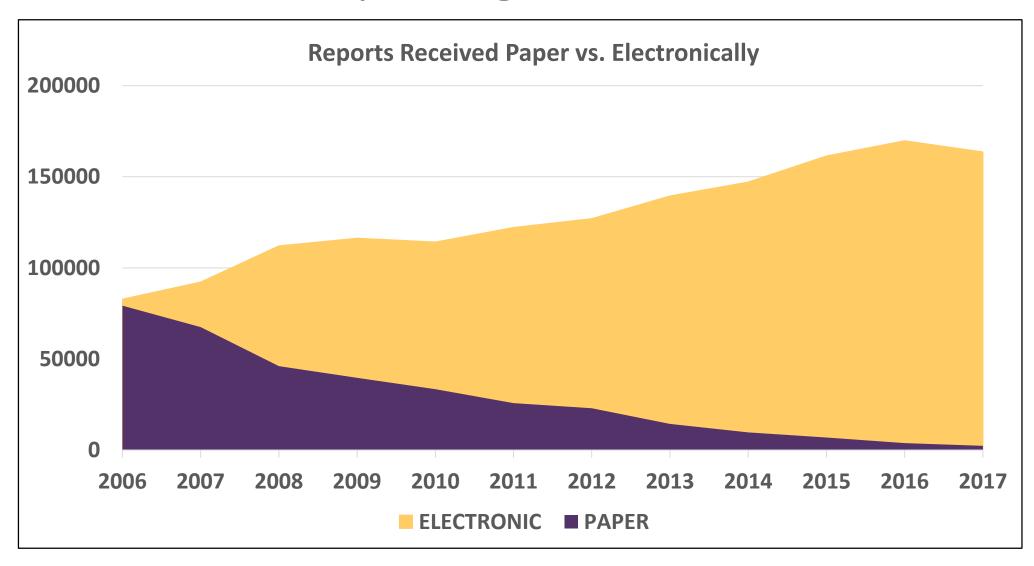
Electronic Reporting







Electronic Reporting







Electronic Reporting - Timeliness

YEAR	WITHIN 30 DAYS	WITHIN 60 DAYS	WITHIN 90 DAYS	AVERAGE NUMBER OF DAYS
2006	39 %	41 %	44 %	121
2007	48 %	53 %	64 %	71
2008	64 %	74 %	83 %	41
2009	66 %	70 %	75 %	47
2010	70 %	72 %	77 %	44
2011	75 %	84 %	89 %	32
2012	79 %	84 %	88 %	26
2013	85 %	91 %	93 %	19
2014	88 %	91 %	95 %	16
2015	92 %	95 %	98 %	11
2016	93 %	96 %	97 %	10
2017	96 %	98 %	99 %	7





Electronic Reporting - Timeliness of CMV Reporting

YEAR	WITHIN 30 DAYS	WITHIN 60 DAYS	WITHIN 90 DAYS	AVERAGE NUMBER OF DAYS
2006	58 %	67 %	72 %	74
2007	70 %	80 %	85 %	40
2008	77 %	86 %	92 %	29
2009	82 %	88 %	91 %	23
2010	86 %	93 %	95 %	17
2011	87 %	94 %	96 %	17
2012	87 %	93 %	96 %	15
2013	88 %	94 %	97 %	14
2014	92 %	96 %	98 %	11
2015	92 %	96 %	98 %	11
2016	93 %	96 %	98 %	11
2017	95 %	98 %	99 %	9





Electronic Reporting

- Increased the number of identified CMV crashes
 - 2001 2,047
 - 2004 2,628
 - 2005 4,260
 - 2017 4,030





Collaboration

- HSRG staff worked with LA DPS and FMCSA to clarify what should be reported and when
- Conducted continuous testing to reduce errors on reportable CMV crashes
- Worked closely with FARS team to match MCMIS and FARS numbers
 - Research differences
 - Make corrections to either database, when needed





Location

- HSRG began locating crashes in 2010
- All local road crashes and a subset of problematic state road crashes
- Assumed responsibility for all crashes in 2017
- 170,000 crashes per year





Location

- Automatically locate and validate 60% of crashes
- Manually locate remaining crashes using

Specially

Trained

Undergraduate

Data

ENtry

Technicians





Location

- Locate 90-95% of crashes
- Assign control section and logmile
- Link to roadway data for analysis



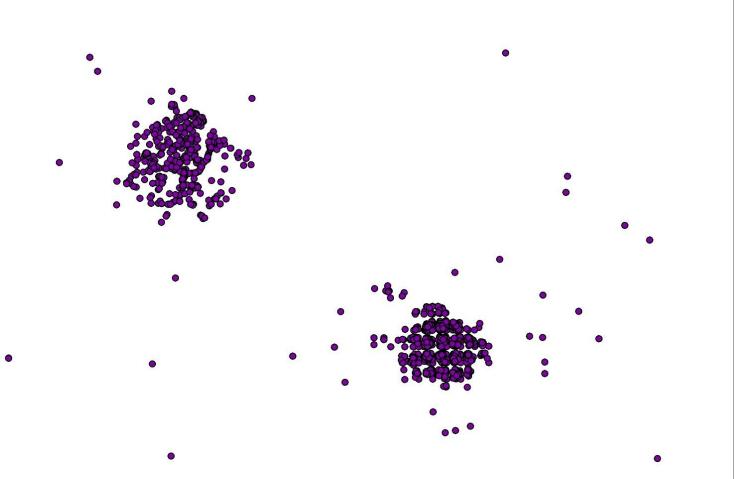


Location – Common Issues

- No latitude/longitude
- Wrong latitude/longitude
- Missing/misspelled street names
- Conflict between data and narrative





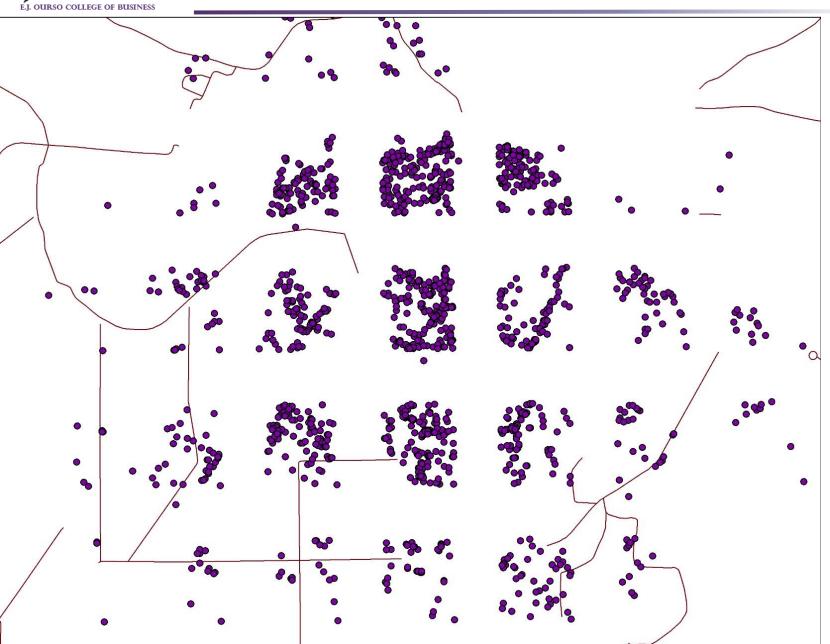


A Tale of Two Cities?

Or is something wrong?





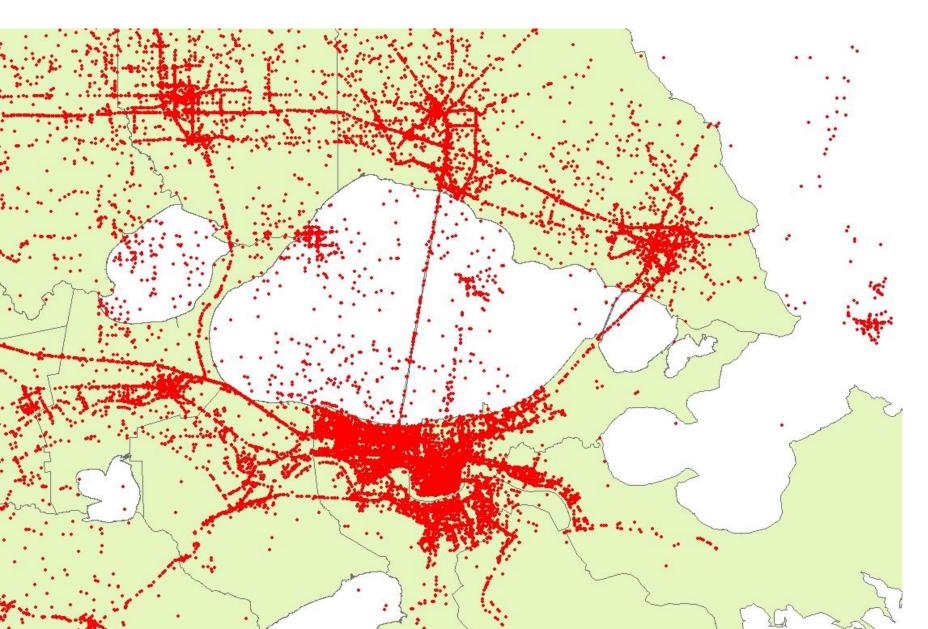


Pattern does not match city streets

Degree minute seconds recorded as decimal degrees



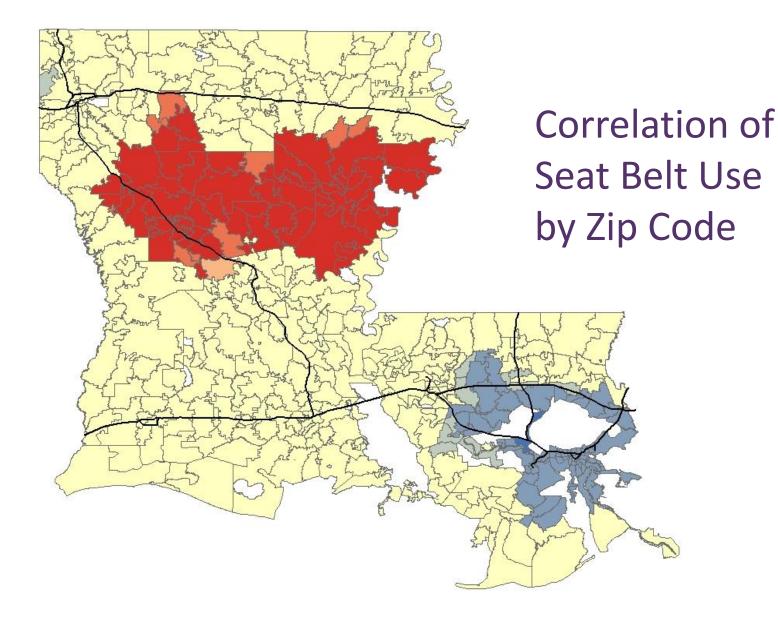




Crashes
in
Lake
Pontchartrain

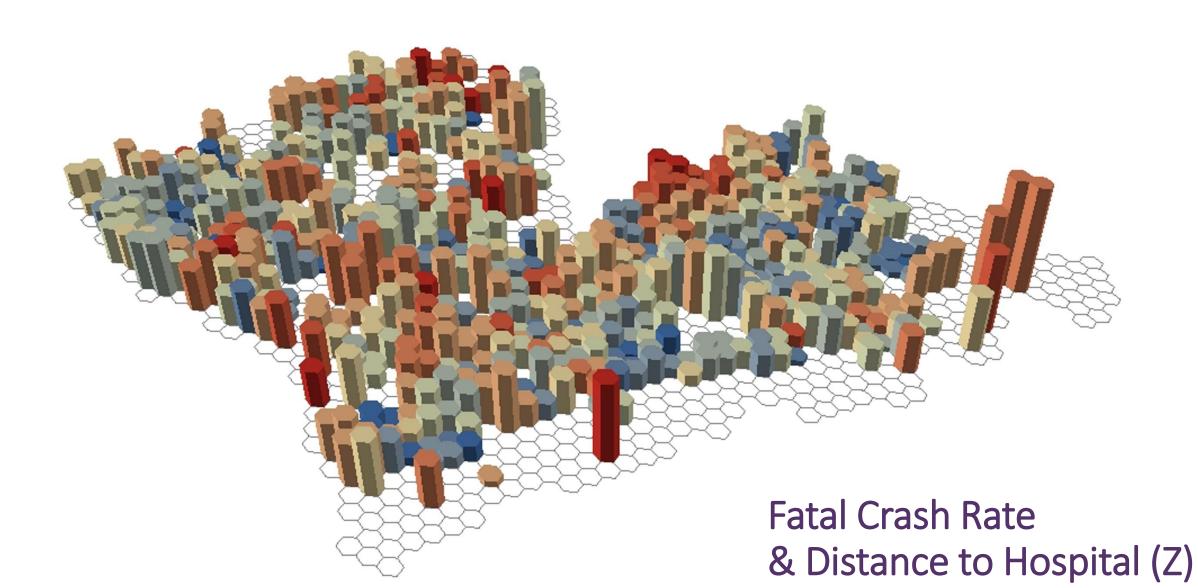
















On-going Data Quality

- Regularly monitor crashes for completeness of driver and vehicle fields required for SafetyNet
- Reports with missing data are pulled and investigated weekly
- Identifies agencies regularly reporting incomplete data to make contact and offer training





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THANK YOU Geaux Tigers

(BEAT BAMA)