

Multivariate copula temporal modeling of intersection estimation of injury severity, crash type, vehicle damage

Accident Analysis and Prevention

125, 188-197

DOI: [10.1016/j.aap.2019.01.036](https://doi.org/10.1016/j.aap.2019.01.036)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Endogenous commercial driver's traffic violations and freight truck-involved crashes on mainlines of expressway. Accident Analysis and Prevention, 2019, 131, 327-335.	5.7	29
2	Metro transit system resilience: Understanding the impacts of outdoor tracks and weather conditions on metro system interruptions. International Journal of Sustainable Transportation, 2020, 14, 657-670.	4.1	22
3	The relationship between driving volatility in time to collision and crash-injury severity in a naturalistic driving environment. Analytic Methods in Accident Research, 2020, 28, 100136.	8.2	23
4	A copula-based approach for jointly modeling crash severity and number of vehicles involved in express bus crashes on expressways considering temporal stability of data. Accident Analysis and Prevention, 2020, 146, 105736.	5.7	33
5	A Bayesian spatial Poisson-lognormal model to examine pedestrian crash severity at signalized intersections. Accident Analysis and Prevention, 2020, 144, 105679.	5.7	35
6	Influencing factors analysis of side right-angle collisions severity at intersections based on decision tree. International Journal of Crashworthiness, 2022, 27, 59-69.	1.9	3
7	Investigating exposure measures and functional forms in urban and suburban intersection safety performance functions using generalized negative binomial - P model. Accident Analysis and Prevention, 2020, 148, 105838.	5.7	12
8	Crash Data-Based Investigation into How Injury Severity Is Affected by Driver Errors. Transportation Research Record, 2020, 2674, 452-464.	1.9	5
9	A multivariate approach for modeling driver injury severity by body region. Analytic Methods in Accident Research, 2020, 28, 100129.	8.2	17
10	Sensitivity analysis of driver's behavior and psychophysical conditions. Safety Science, 2020, 125, 104586.	4.9	14
11	Study and Simulation Analysis of Vehicle Rear-End Collision Model considering Driver Types. Journal of Advanced Transportation, 2020, 2020, 1-11.	1.7	16
12	Highway safety assessment and improvement through crash prediction by injury severity and vehicle damage using Multivariate Poisson-Lognormal model and Joint Negative Binomial-Generalized Ordered Probit Fractional Split model. Journal of Safety Research, 2021, 76, 44-55.	3.6	22
13	Examining driver injury severity in left-turn crashes using hierarchical ordered probit models. Traffic Injury Prevention, 2021, 22, 57-62.	1.4	7
14	Hierarchical binary logit model to compare driver injury severity in single-vehicle crash based on age-groups. International Journal of Injury Control and Safety Promotion, 2021, 28, 113-126.	2.0	15
15	Summary of crash-frequency and crash-severity models in highway safety. , 2021, , 443-467.		0
16	Traffic Accident Prediction Methods Based on Multi-factor Models. Lecture Notes in Computer Science, 2021, , 41-52.	1.3	2
17	Insights on Crash Injury Severity Control from Novice and Experienced Drivers: A Bivariate Random-Effects Probit Analysis. Discrete Dynamics in Nature and Society, 2021, 2021, 1-13.	0.9	2
18	An Efficient Traffic Incident Detection and Classification Framework by Leveraging the Efficacy of Model Stacking. Complexity, 2021, 2021, 1-17.	1.6	11

#	ARTICLE	IF	CITATIONS
19	An Analysis of the Effects of Crash Factors and Precrash Actions on Side Impact Crashes at Unsignalized Intersections. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-17.	1.7	3
20	An accelerated hierarchical Bayesian crash frequency model with accommodation of spatiotemporal interactions. <i>Accident Analysis and Prevention</i> , 2021, 153, 106018.	5.7	19
21	A random parameter bivariate probit model for injury severities of riders and pillion passengers in motorcycle crashes. <i>Journal of Transportation Safety and Security</i> , 2022, 14, 1289-1306.	1.6	7
22	Factors associated with consecutive and non-consecutive crashes on freeways: A two-level logistic modeling approach. <i>Accident Analysis and Prevention</i> , 2021, 154, 106054.	5.7	6
23	Do high visibility crosswalks improve pedestrian safety? A correlated grouped random parameters approach using naturalistic driving study data. <i>Analytic Methods in Accident Research</i> , 2021, 30, 100155.	8.2	21
24	Correlated mixed logit modeling with heterogeneity in means for crash severity and surrogate measure with temporal instability. <i>Accident Analysis and Prevention</i> , 2021, 160, 106332.	5.7	22
25	Copula-based joint modeling of crash count and conflict risk measures with accommodation of mixed count-continuous margins. <i>Analytic Methods in Accident Research</i> , 2021, 31, 100162.	8.2	8
26	Exploring analytical, simulation-based, and hybrid model structures for multivariate crash frequency modeling. <i>Analytic Methods in Accident Research</i> , 2021, 31, 100167.	8.2	12
27	An integrated clustering and copula-based model to assess the impact of intersection characteristics on violation-related collisions. <i>Accident Analysis and Prevention</i> , 2021, 159, 106283.	5.7	13
28	Developing a grouped random parameter beta model to analyze drivers' speeding behavior on urban and suburban arterials with probe speed data. <i>Accident Analysis and Prevention</i> , 2021, 161, 106386.	5.7	13
29	A New Econometric Approach for Modeling Several Count Variables: A Case Study of Crash Frequency Analysis by Crash Type and Severity. <i>Transportation Research Part B: Methodological</i> , 2021, 153, 172-203.	5.9	27
30	Trivariate Copula for Modeling Barriers Crash Severity, Accounting for Policy Endogeneity. <i>Future Transportation</i> , 2021, 1, 601-614.	2.3	1
31	Accommodating for systematic and unobserved heterogeneity in panel data: Application to macro-level crash modeling. <i>Analytic Methods in Accident Research</i> , 2022, 33, 100202.	8.2	3
32	Spatiotemporal analysis of crash severity on rural highway: A case study in Anhui, China. <i>Accident Analysis and Prevention</i> , 2022, 165, 106538.	5.7	19
33	Multivariate analysis of traffic flow using copula-based model at an isolated road intersection. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 599, 127431.	2.6	2
34	An integrated text mining, literature review, and meta-analysis approach to investigate pedestrian violation behaviours. <i>Accident Analysis and Prevention</i> , 2022, 173, 106712.	5.7	9
35	Impact of driving style, behaviour and anger on crash involvement among Iranian intercity bus drivers. <i>IATSS Research</i> , 2022, 46, 457-466.	3.4	10
36	Millennials and automated mobility: exploring the role of generation and attitudes on AV adoption and willingness-to-pay. <i>Transportation Letters</i> , 2023, 15, 871-888.	3.1	4

#	ARTICLE	IF	CITATIONS
37	Spatial influence of engineering construction on traffic accidents, a case study of Jinan. Accident Analysis and Prevention, 2022, 177, 106825.	5.7	3
38	Exploring the temporal variability of the factors affecting driver injury severity by body region employing a hybrid econometric approach. Analytic Methods in Accident Research, 2023, 37, 100246.	8.2	2
39	Interpretable Dynamic Ensemble Selection Approach for the Prediction of Road Traffic Injury Severity: A Case Study of Pakistan's National Highway N-5. Sustainability, 2022, 14, 12340.	3.2	16
40	Exploring Driver Injury Severity Using Latent Class Ordered Probit Model: A Case Study of Turkey. KSCE Journal of Civil Engineering, 2023, 27, 1312-1322.	1.9	1
41	Analyzing the impact of curve and slope on multi-vehicle truck crash severity on mountainous freeways. Accident Analysis and Prevention, 2023, 181, 106951.	5.7	12
42	Investigating the application of deep learning to identify pedestrian collision-prone zones. Journal of Transportation Safety and Security, 0, , 1-31.	1.6	1
43	A random parameters copula-based binary logit-generalized ordered logit model with parameterized dependency: Application to active traveler injury severity analysis. Analytic Methods in Accident Research, 2023, 38, 100266.	8.2	3
44	Exploring Factors Affecting Crash Injury Severity with Consideration of Secondary Collisions in Freeway Tunnels. International Journal of Environmental Research and Public Health, 2023, 20, 3723.	2.6	1
45	Factors Associated With the Severity of Motor Vehicle Crashes Involving Electric Motorcycles and Electric Bicycles: A Random Parameters Logit Approach With Heterogeneity in Means. Transportation Research Record, 2023, 2677, 691-704.	1.9	2
46	An econometric framework for integrating aggregate and disaggregate level crash analysis. Analytic Methods in Accident Research, 2023, 39, 100280.	8.2	2
47	Severity Predictions for Intercity Bus Crashes on Highway Using a Random Parameter Ordered Probit Model. Sustainability, 2023, 15, 13131.	3.2	0
48	Modeling non-parametric effects of two-vehicle speed on crash risk at intersections: Leveraging two-dimensional additive logistic regression beyond univariable approach. Journal of Transportation Safety and Security, 0, , 1-22.	1.6	0
49	Investigating the difference in factors influencing the injury severity between daytime and nighttime speeding-related crashes. Canadian Journal of Civil Engineering, 0, , .	1.3	1
50	Identification of road crashes characteristics using data visualization for sustainable campus. AIP Conference Proceedings, 2023, , .	0.4	0
51	Applying the heteroskedastic ordered probit model on injury severity for improved age and gender estimation. Traffic Injury Prevention, 2024, 25, 202-209.	1.4	0
52	Exploring differences in injury severity between occupant groups involved in fatal rear-end crashes: a correlated random parameter logit model with mean heterogeneity. Transportation Letters, 0, , 1-11.	3.1	0
53	Assessing non-motorist safety in motor vehicle crashes – a copula-based approach to jointly estimate crash location type and injury severity. Analytic Methods in Accident Research, 2024, 42, 100322.	8.2	0