

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

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Endogenous commercial driver's traffic violations and freight truck-involved crashes on mainlines of expressway. <i>Accident Analysis and Prevention</i> , 2019, 131, 327-335.	3.0	29
2	Metro transit system resilience: Understanding the impacts of outdoor tracks and weather conditions on metro system interruptions. <i>International Journal of Sustainable Transportation</i> , 2020, 14, 657-670.	2.1	22
3	The relationship between driving volatility in time to collision and crash-injury severity in a naturalistic driving environment. <i>Analytic Methods in Accident Research</i> , 2020, 28, 100136.	4.7	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. <i>Accident Analysis and Prevention</i> , 2020, 146, 105736.	3.0	33
5	A Bayesian spatial Poisson-lognormal model to examine pedestrian crash severity at signalized intersections. <i>Accident Analysis and Prevention</i> , 2020, 144, 105679.	3.0	35
6	Influencing factors analysis of side right-angle collisions severity at intersections based on decision tree. <i>International Journal of Crashworthiness</i> , 2022, 27, 59-69.	1.1	3
7	Investigating exposure measures and functional forms in urban and suburban intersection safety performance functions using generalized negative binomial - P model. <i>Accident Analysis and Prevention</i> , 2020, 148, 105838.	3.0	12
8	Crash Data-Based Investigation into How Injury Severity Is Affected by Driver Errors. <i>Transportation Research Record</i> , 2020, 2674, 452-464.	1.0	5
9	A multivariate approach for modeling driver injury severity by body region. <i>Analytic Methods in Accident Research</i> , 2020, 28, 100129.	4.7	17
10	Sensitivity analysis of driver's behavior and psychophysical conditions. <i>Safety Science</i> , 2020, 125, 104586.	2.6	14
11	Study and Simulation Analysis of Vehicle Rear-End Collision Model considering Driver Types. <i>Journal of Advanced Transportation</i> , 2020, 2020, 1-11.	0.9	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. <i>Journal of Safety Research</i> , 2021, 76, 44-55.	1.7	22
13	Examining driver injury severity in left-turn crashes using hierarchical ordered probit models. <i>Traffic Injury Prevention</i> , 2021, 22, 57-62.	0.6	7
14	Hierarchical binary logit model to compare driver injury severity in single-vehicle crash based on age-groups. <i>International Journal of Injury Control and Safety Promotion</i> , 2021, 28, 113-126.	1.0	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. <i>Lecture Notes in Computer Science</i> , 2021, , 41-52.	1.0	2
17	Insights on Crash Injury Severity Control from Novice and Experienced Drivers: A Bivariate Random-Effects Probit Analysis. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-13.	0.5	2
18	An Efficient Traffic Incident Detection and Classification Framework by Leveraging the Efficacy of Model Stacking. <i>Complexity</i> , 2021, 2021, 1-17.	0.9	11

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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.	0.9	3
20	An accelerated hierarchical Bayesian crash frequency model with accommodation of spatiotemporal interactions. <i>Accident Analysis and Prevention</i> , 2021, 153, 106018.	3.0	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.	1.1	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.	3.0	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.	4.7	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.	3.0	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.	4.7	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.	4.7	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.	3.0	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.	3.0	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.	2.8	27
30	Trivariate Copula for Modeling Barriers Crash Severity, Accounting for Policy Endogeneity. <i>Future Transportation</i> , 2021, 1, 601-614.	1.3	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.	4.7	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.	3.0	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.	1.2	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.	3.0	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.	1.8	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.	1.8	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.	3.0	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.	4.7	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.	1.6	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.	0.9	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.	3.0	12
42	Investigating the application of deep learning to identify pedestrian collision-prone zones. Journal of Transportation Safety and Security, 0, , 1-31.	1.1	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.	4.7	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.	1.2	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.	1.0	2
50	Identification of road crashes characteristics using data visualization for sustainable campus. AIP Conference Proceedings, 2023, , .	0.3	0