Min Li

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I am currently a Ph.D student, Vehicle Operation Engineering, School of Automobile, Chang'an University. My supervisor is Prof. Shifeng NIU. I recived my Master's Degree in School of Automobile & Transportation , Xihua University, supervised by Prof. Daowen ZHANG, and recived my Bachelor's Degree in Automotive Service Engineering, Chengdu Normal University.

My research interest includes Big Data Mining, Automotive Active and Passive Safety Technology, Reconstruction and Evaluation of Automatic Driving Test Scenarios. The research progress focuses on data-driven traffic accident risk identification and collaborative control, vehicle crash safety and human injury biomechanics.

EDUCATION

- **Chang'an University** (Sep 2024- Present)
  Ph.D./ Vehicle Operation Engineering / School of Automobile
- **Xihua University** (Sep 2021-Jun 2024)
  Master/ Transportation / School of Automobile & Transportation
- **Chengdu Normal University** (Sep 2017-Jun 2021)
  Bachelor/ Automotive Service Engineering / College of Physics and Engineering Technology

PUBLICATIONS

1 **M, Li.**, D, Zhang., Q, Liu., & T, Zhang. (2023). Driver injury from vehicle side impacts when automatic emergency braking and active seat belts are used. *Sensors*, 23(13), 5821. doi: https://doi.org/10.3390/s23135821

2 D, Zhang., **M, Li.**, S, Pang., & Q, Luo. (2023). Accident causes and its topological hierarchy analysis for heavy-duty trucks and two-wheelers. *Journal Automotive Safety and Energy*, 14(02), 157-164. doi: 10.3969/j.issn.1674-8484.2023.02.002

3 P, Li., C, Zhao., **M, Li.**, D, Zhang., Q, Luo., C,. Zhang, & W, Hu. (2024). Analysis of pedestrian accident severity by considering temporal instability and heterogeneity. *Heliyon*, 10(11), e32013. doi: https://doi.org/10.1016/j.heliyon.2024.e32013

EXPERIENCE

Project

- **Research on in-depth investigation and safety analysis of vehicle accidents in plains and high altitude areas** (Apri 2024-Present)
  - ✧ Design and analysis of accident evaluation model
  - ✧ big data mining
- **Study on Safety of The Intended Functionality of ADAS in dangerous scenarios** (Jul 2021-Oct 2022)
  - ✧ Scenario evaluation model construction
  - ✧ Research report writing
- **Study on dangerous scenarios of highway automatic driving for vehicle-road coordination** (Mar 2021-Mar 2023)
  - ✧ Sifting through highway accident data
  - ✧ Construct the scenario security evaluation model
- **Research on the optimal billing scheme for time-sharing rental of shared vehicles** (Jun 2018-Jun 2021)
  - ✧ Overall arrangement, data collection
  - ✧ Field investigation, project establishment and final report writing

Academic Activities

- 2022.11 Attending ITSAC 2022, Chengdu

AWARDS

- 2023 "Huashu Cup" International Mathematical Contest in Modeling (Meritorious)
- 2022 Asia and Pacific Mathematical Contest in Modeling (First Prize Postgraduate Group)
- 2022 ShuWei Cup IMCM (Meritorious)