

1. Record Nr.	UNINA9911006953703321
Autore	Shinar David
Titolo	Traffic safety and human behavior / / David Shinar
Pubbl/distr/stampa	Bingley, United Kingdom : , : Emerald Publishing Limited, , 2017
ISBN	9781787146334 1787146332 9781523113484 1523113480 9781786352217 1786352214
Edizione	[2nd edition.]
Descrizione fisica	1 online resource (1,264 pages)
Disciplina	363.12/5
Soggetti	Traffic safety Transportation - Automotive / Driver Education Public safety issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover -- Traffic Safety and Human Behavior -- Copyright Page -- Dedication -- Contents -- Preface to the Second Edition -- References -- Part A: Background, Methods, and Models -- 1 Introduction and Background -- Background -- Definitions: Safety, accidents, and crashes -- Safety has come a long way in the past half century -- Scope and Measurement of Traffic Crashes and Injuries -- The scope of the problem in terms of property-damage, injury, and fatal crashes -- Defining severe injury: MAIS3+ -- Measuring safety -- Motorization and Crashes - Smeed's Law -- The Reliability and Validity of Crash Data -- The Concern for Traffic Safety -- Organization of This Book, Additional Resources, and the Rationale for the New Edition -- Book organization -- Additional resources -- The rationale for a new edition -- References -- 2 Research Methods -- Key Concepts in Behavioral Research -- Variables of interest -- Independent and dependent variables -- Control variables -- Intervening variables: Mediation between the independent and dependent variables -- Confounding variables -- Moderating variables -- Validity and reliability -- Study

Design -- Experimental versus observational studies -- Between subjects versus within subjects study designs, and treatment versus control conditions -- Statistical versus practical significance -- Research Methods: From Basic/Laboratory to Applied/Field -- A case in point: Reducing rear-end collisions -- Laboratory "Basic" research -- Digital Simulation Studies -- Driving Simulator Studies -- Validity of driving simulators -- On-the-Road Studies -- Experimental studies -- Field operational test (FOT) - A quasi-experimental method -- Observational/correlational/associational studies -- Naturalistic driving studies -- Meta-analysis - Quantitative synthesis of the results of multiple studies -- Concluding Remarks.

References -- 3 Theories and Models of Driver Behavior -- Why We Need Driver Theories and Models -- The Context of Driving: Hierarchical Decision-Making -- Attention and Information Processing Models -- Attentional capacity and distribution of attention -- A driver information processing model -- Measuring mental task load -- Performance on a secondary task -- Physiological indicators of stress -- Subjective scales of mental load -- Endsley's situation awareness model and efficient information processing -- Rational Decision-Making Models -- Application of "bounded rationality" to driver behavior -- Ajzen's theory of planned behavior (TPB) -- Fuller's task-capability interface (TCI) model and risk allostasis theory (RAT) of driving behavior -- Motivational Models -- Behavioral adaptation -- Risk homeostasis model of driver behavior -- Integrative Models: Information Processing in the Context of Motivational Factors -- Practical Implications of Theoretical Considerations -- References -- Part B: Driver Capacities and Individual Differences -- 4 Vision, Visual Attention, and Visual Search -- Our Visual System -- Driving-Related Visual Functions -- Visual acuity -- Definition of visual acuity -- Standards of visual acuity -- Visual acuity and driving performance -- Visual acuity and crash involvement -- Visual acuity under degraded conditions: Low illumination and glare -- Dynamic visual acuity -- Color vision -- Motion detection -- Contrast sensitivity -- Stereopsis and monocular vision -- Visual field -- Night vision and the implications of a dual vision system -- Distributed Visual Attention -- Useful field of view (UFOV) -- UFOV and driving performance of older drivers -- UFOV as a predictor of crash involvement -- Visual Search and Eye Movements -- The nature of eye movements -- Eye movements in driving -- Concluding Comments -- References.

5 Driver Information Processing: Attention, Perception, Reaction Time, and Comprehension -- Allocation of Attention: Selective and Divided Attention -- Information processing levels: Looking, attending, acting, and recalling -- Levels of processing -- Controlled (top-down) and automated (bottom-up) processes in driving -- Perception Reaction Time and Brake Reaction Time -- The relevance of brake reaction time to safety -- Reaction times in laboratory experiments, driving simulators, and on the road -- Expectancy and brake reaction time -- Age and gender differences in brake reaction time -- Driver reaction time in more complex situations -- Yellow light dilemma -- Reaction time to different stimuli -- Hazard perception: Situation awareness for lurking dangers -- Hazard perception and experience -- Judgments of Gaps, Clearances, and Headways -- Drivers' estimation of minimum safe headways and comfortable headways -- Can we learn to improve on-the-road headway estimation -- Drivers can and are inclined to improve their headways -- Comprehension of Information: Road Signs and In-Vehicle Displays -- Comprehension of road signs -- Road markings -- Finally, a note of caution -- In-vehicle symbol comprehension -- Concluding Comments -- References -- 6 Young

and Novice Drivers -- The Magnitude of the Young Driver Problem -- Sources of the Problem: Inexperience and Immaturity -- The accumulation of driver experience -- Causes of Novice Drivers' Crashes -- Hazard perception -- Managing Experience: Driver Education, Graduated Licensing, and Training in Hazard Perception -- Driver Education and Driver Training -- Graduated Driver Licensing (GDL): Integrating Driver Education, Training, and Licensing -- Pre GDL programs -- Characteristics of the GDL -- Evaluations of the GDL -- Importance of the number of GDL components -- Importance of specific GDL components.

Teen passengers compromise safety of young drivers -- Supervision has a positive but temporary benefit -- Long-term effects of GDL: The jury is still out -- Out-of-the-vehicle extended supervision: A potential enhancement of GDL -- Parents as role models: For better and for worse -- Program acceptance -- New Directions in Driver Education and Training -- Expanding the goals of driver education (GDE) -- Training in hazard perception -- Can there be too much training? -- Concluding Comments -- References -- 7 Older Drivers -- Problem Identification: Demographic Trends, Mobility, and Safety -- Demographic trends -- Mobility patterns -- Safety of older drivers -- Detailed examination of older drivers' crash involvement - The role of exposure -- Confounding and biasing factors in assessing older drivers' crash involvement -- Adjusting for frailty bias -- Adjusting for context bias -- Adjusting for low-mileage bias -- Crash Culpability and Age-Related Impairments -- Older drivers' impairments and crash causes -- Vision -- Cognitive impairments -- Medical conditions and diseases -- Driving style -- Solutions to Safety and Mobility of Older People -- Screening functionally deficient drivers -- Self-regulation and self-selection -- Driver education, structured self-assessment, and training -- Designing vehicles and in-vehicle technologies to assist the older drivers -- Navigation systems -- Hazard perception aids -- Night vision systems -- CarFit -- Environmental treatments -- Concluding Comments -- References -- Part C: Driving Style -- 8 Speed and Safety -- Variables Affecting Speed Choice -- Driver-related variables that affect speed choice -- Individual differences -- Motivational factors -- Speed choice and design speed -- Speed and Crashes -- Definitions: Speed, safety, and intervening variables -- Some theoretical issues - And a theoretical quagmire.

Information processing approach -- Traffic conflict approach -- Risk-homeostasis motivational approach -- Speed and crash involvement -- Correlational studies of speed and crashes -- Causal analyses of crashes -- Quasi-experimental studies: Changes in crash experience as a function of changes in speed management -- Changing speed limits -- Speed enforcement -- Changes in road design -- Speed and crash severity -- Concluding remarks on speed and crashes -- Speeding Countermeasures -- Organizational/policy approaches -- Setting speed limits -- Administrative actions -- Behavioral approaches -- Education -- Enforcement -- Moving versus stationary enforcement -- Automated enforcement -- Section control -- How much enforcement? -- How does enforcement compare to speed calming through roadway design? -- Environmental approaches -- Perceptual countermeasures -- Public information and highway signs -- Public information campaigns -- Speed limit signs -- Graphic representational speed signs -- Variable message signs -- Speed feedback indicators -- Vehicles -- Combined approach: Speed management -- Concluding Comments -- References -- 9 Personality and Aggressive Driving -- Social Maladjustment and Driving Behavior -- Aggressive Driving -- Aggression, frustration, and aggressive driving -- Measures of

aggressive driving and road rage -- Questionnaire-based measures of aggressive driving -- Behavioral observable measures of aggressive driving -- Frustrating situations - Catalysts for aggressive driving -- The value of time - An intervening variable in the effects of congestion on aggression -- Personality and Aggressive Driving -- Accident proneness - Is there such a thing? -- Anger, aggression, and aggressive driving -- Risk-taking and driving safety -- Sensation-seeking and driving -- Gender and gender identity: Masculinity and femininity.

The Driving Environment: Anonymity of Others and Legitimacy of Their Behavior.

Sommario/riassunto

Traffic crashes are one of the ten leading causes of deaths worldwide, and the leading cause of death for young people in the western world - a seemingly necessary evil that accompanies increasing levels of motorization. In this comprehensive 2nd edition of the classic "Traffic Safety and Human Behavior" Dr David Shinar provides a theoretical framework and a critical evaluation of the most recent research findings to comprehend the complexity of traffic safety and the central role that road users - drivers, motorcyclists, bicyclists, and pedestrians play in it. In the new edition of approximately 1000 pages with nearly 300 graphs and tables, Shinar covers the key issues that relate human behavior to traffic safety and the impact that cultural, policy, and technological changes have on them. In particular the new edition covers the increasing roles that pedestrians and cyclists have in the traffic system and the need to accommodate them; the intrusion of infotainment and its role in driver distraction; and the increasing role of crash-prevention and driver assistance systems in changing the driver-vehicle interaction.

2. Record Nr.	UNINA9910495190803321
Titolo	Multimedia Technology and Enhanced Learning : Third EAI International Conference, ICMTEL 2021, Virtual Event, April 8–9, 2021, Proceedings, Part II / / edited by Weina Fu, Yuan Xu, Shui-Hua Wang, Yudong Zhang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-82565-5
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (501 pages)
Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-822X ; ; 388
Disciplina	418.00285
Soggetti	Application software Education - Data processing Computer networks Computer engineering Artificial intelligence Computer and Information Systems Applications Computers and Education Computer Communication Networks Computer Engineering and Networks Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	AI-based Data Processing, Intelligent Control and Their Applications; Information Techniques for Social/Natural Application -- Intelligent Application in Education; Research on Multithreaded Data Scheduling Control Method for Power Communication Based on Wireless Sensor -- Recognition method of metal material pitting defect based on visual signal processing -- Research on Detection Method of Internal Defects of Metal Materials Based on Computer Vision -- Error correction method for rotating axis of large rotating machinery based on machine vision -- Simulation study on tensile mechanical properties of graphene based on long and short-term memory neural network -- Intelligent scheduling of distributed displacement pipeline based on

hybrid discrete Drosophila optimization algorithm -- Research on grid planning method of distribution network based on artificial intelligence technology -- Intelligent Monitoring Method for Backstage Data Security of Tourism Information Promotion Platform Based on Cloud Computing -- 10 Research on industrial product modeling design method based on deep learning -- A Frequency Conversion Circuit for Piezoelectric Vibrating Energy Harvesting -- An adaptive optimization strict reverse navigation algorithm for ship fine alignment process -- Research on load feature extraction method of typical users based on deep learning -- Enterprise Financial Risk Early Warning System Based on Catastrophe Progression Method -- Research on Transportation Route Planning Method of Regional Logistics Network Based on Transfer Learning -- Simultaneous localization of multiple defects in software testing based on reinforcement learning -- Design of Embedded Network Human Machine Interface Based on VR Technology -- Sliding Mode Adaptive Control for Sensorless Permanent Magnet Synchronous -- An Improved Detection Method of Safety Helmet Wearing Based on CenterNet -- Information Techniques for Social/Natural Application 21 Influence Maximization based on True Threshold in Social Networks -- An Exemplar-based Clustering Model with Loose Constraints in Social Network -- Personal Name Disambiguation for Chinese Documents in Online Medium -- Research on behavior characteristics of festival tourists in Jianye District of Nanjing Based on big data -- Application of GNSS Virtual Reference Station in Poyang Lake Area -- Cruise Tourism Prosperity Index based on Principal Component Analysis Interactive evolution model of industrial cluster and regional innovation based on LSTM -- Design of Hotel Marketing Information Management Model Based on Deep Learning -- Design of Intelligent Dispatching System for Logistics Distribution Vehicles Based on Transfer Learning -- Design of supply chain resource distribution allocation model based on deep learning -- Arabic Question-Answering System Using Search Engine Techniques -- Adaptive Encryption Model of Internet Public Opinion Information Based on Big Data -- Intelligent classification system of financial statistics information based on recurrent neural network -- Design and Implementation of Financial Management Analysis Based on Big Data Platform of Psychiatric Hospital -- Study of Measurement and Inverse Prediction Methods of Heat Storage Efficiency for the Wood Heating Floor -- Apple classification based on information fusion of internal and external qualities -- Apple defect detection method based on convolution neural network -- Information Fusion and Their Applications -- Lidar/IMU Integrated Navigation and Positioning Method -- Indoor Positioning and Navigation Methods Based on Mobile Phone Camera -- PD controller of a lower limb exoskeleton robot based on sliding mode RBF neural network -- Verification of deformation measurement method based on FBG sensor -- Air Alignment Method of Guided projectile based on INS/BDS -- Motion constraint aided underwater integrated navigation method based on improved adaptive filtering -- High-Precision Calibration and Error Estimation of RLG SINS -- Design of an interactive LiDAR-vision integrated navigation system -- Research on Residential Power Consumption Behavior Based on Typical Load Pattern -- A Comparative Study of REST with SOAP -- Matrix Profile Evolution: An Initial Overview -- LS-SVM/federated EKF based on the distributed INS/UWB integrated 2D localization -- LiDAR Map Construction using improved R-T-S Smoothing assisted Extended Kalman Filter -- Path planning method for unmanned surface vehicle based on RRT* and DWA Xiaotian.

International Conference on Multimedia Technology and Enhanced Learning, ICMTEL 2021, held in April 2021. Due to the COVID-19 pandemic the conference was held virtually. The 97 revised full papers have been selected from 208 submissions. They describe new learning technologies which range from smart school, smart class and smart learning at home and which have been developed from new technologies such as machine learning, multimedia and Internet of Things.

3. Record Nr.	UNINA9910973381603321
Autore	Roberts Tom <1944 Apr. 24->
Titolo	The funding revolution : new routes to project fundraising / / Tom Roberts
Pubbl/distr/stampa	London, : Falmer Press, 1999
ISBN	1-135-70925-4 1-135-70926-2 0-203-98235-5 1-280-14364-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (135 p.)
Collana	Managing colleges effectively series ; ; 3
Disciplina	361.70681 658.15224
Soggetti	Fund raising - Great Britain Project finance - Great Britain Fund raising - Europe Project finance - Europe
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 121-123) and index.
Nota di contenuto	Preliminaries; Contents; List of Figures and Tables; Acknowledgments; Preface; Chapter 1 The New Outlook; Chapter 2 National Lottery Funding; Chapter 3 Regional Regeneration Funding; Chapter 4 The Welfare to Work Initiative; Chapter 5 The Private Finance Initiative; Chapter 6 Setting Up a College Charity; Chapter 7 Seeking Funding from the European Community; Chapter 8 Securing Match Funding;

Sommario/riassunto

At a time when traditional funding is diminishing and costs increasing, the need to look to new external sources of money is now central to survival for many organizations. New avenues of funding often demand a new outlook, and old ways of thinking can prove to be barriers to success. This book looks not only at methods for raising funds, providing practical steps in preparing for new funding initiatives, but also at the attitudes and mind-sets that form part of the whole picture. The volume is concise and accessible, with plans of action, bullet lists and diagrams for ease of consultation.
