

Publications

Journal Papers

- Janstrup, K.H., Kaplan, S., Barfod, M.B., Prato, C.G., in press. Evaluating the police service quality for handling traffic accident reporting: a combined MCDA and LCA approach. *Policing: An International Journal of Police Strategies & Management*, accepted for publication.
- Janstrup, K.H., Kaplan, S., Hels, T., Lauritsen, J., Prato, C.G., in press. Understanding traffic crash under-reporting: linking police and medical records to individual and crash characteristics. *Traffic Injury Prevention*, doi:10.1080/15389588.2015.1128533.
- Kaplan, S., Prato, C.G., in press. Observed and unobserved correlation between crash avoidance maneuvers and crash severity. *International Journal of Injury Control and Safety Promotion*, doi: 10.1080/17457300.2015.1056806.
- Prato, C.G., Kaplan, S., Rasmussen, T.K., Hels, T., in press. Infrastructure and spatial effects on the frequency of cyclist-motorist collisions in the Copenhagen region. *Journal of Transportation Safety and Security*, doi: 10.1080/19439962.2015.1055414.
- Taubman - Ben-Ari, O., Kaplan, S., Lotan, T., Prato, C.G., in press. The combined contribution of personality, family traits, and reckless driving intentions to young men's risky driving: what role does anger play? *Transportation Research Part F: Traffic Psychology and Behaviour*, accepted for publication.
- Weiss, H.B., Kaplan, S., Prato, C.G., in press. Fatal and serious road crashes involving young drivers in New Zealand: a latent class clustering approach. *International Journal of Injury Control and Safety Promotion*, doi: 10.1080/17457300.2015.1056807.
- Fetene, G.M., Hirte, G., Kaplan, S., Prato, C.G., Tscharaktschiew, S., 2016. The economics of workplace charging. *Transportation Research Part B: Methodological*, 88, 93-118.
- Kaplan, S., Prato, C.G., 2016. "Them or Us": perceptions, cognitions, emotions and overt behavior associated with cyclists and motorists sharing the road. *International Journal of Sustainable Transportation*, 10, 193-200.
- Kaplan, S., Nielsen, T.A.S., Prato, C.G., 2016. Walking, cycling and the urban form: A Heckman selection model of active travel mode and distance by young adolescents. *Transportation Research Part D: Transport and Environment*, 44, 55-65.
- Frenkel, A., Kaplan, S., 2015. The joint choice of tenure, dwelling type, size and location: the effect of home-oriented versus culture-oriented lifestyle. *Letters in Spatial and Resource Sciences*, 8, 233-251.
- Kaplan, S., Prato, C.G., 2015. A spatial analysis of land use and network effects on frequency and severity of cyclist-motorist crashes in the Copenhagen region. *Traffic Injury Prevention*, 16, 724-731.
- Kaplan, S., Manca, F., Nielsen, T.A.S., Prato, C.G., 2015. Intentions to use bike-sharing for holiday cycling: an application of the Theory of Planned Behavior. *Tourism Management*, 47, 34-46.

- Ramirez, J.S., Sierra, M.B., Alanis, A.K.J., Kaplan, S., Prato, C.G., 2015. The role of social climate in habitual transit use by young adults to work and leisure activities: Evidence from Colombia and Mexico. *Transportation Research Record*, 2512, 22-30.
- Taubman - Ben-Ari, O., Kaplan, S., Lotan, T., Prato, C.G., 2015. Parents' and peers' contribution to risky driving of male teen drivers. *Accident Analysis and Prevention*, 78, 81-86.
- Frenkel, A., Bendit, E., Kaplan, S., 2014. Knowledge-cities and transport sustainability: the link between the travel behavior of knowledge-workers and car-related job-perks. *International Journal of Sustainable Transportation*, 8 (3), 225-247.
- Kaplan, S., Abreu e Silva, J., Di Ciommo, F., 2014. The relationship between young people's transit use and their perceptions of equity concepts in transit service provision. *Transport Policy* 36, 79-87.
- Kaplan, S., Popoks, D., Prato, C.G., Ceder, A., 2014. Using connectivity for measuring equity in transit provision. *Journal of Transport Geography*, 37, 82-92.
- Sigurdardottir, S.B., Kaplan, S., Møller, M. 2014. The motivation underlying adolescents' intended time-frame for driving licensure and car ownership: a socio-ecological approach. *Transport Policy*, 36, 19-25.
- Wang, Y., Monzon, A., Di Ciommo F., Kaplan S., 2014. An integrated transport planning framework involving a combined utility-regret approach. *Transportation Research Record*, 2429, 59-66.
- Chataway, E.S., Kaplan, S., Nielsen, T.S.A., Prato, C.G., 2014. Safety perceptions and behavior related to cycling in mixed traffic: a comparison between Brisbane and Copenhagen. *Transportation Research Part F: Traffic Psychology and Behaviour*, 23, 32-43.
- Kaplan, S., 2014. Why book reviews? *Transport Reviews*, 34, 415-417.
- Kaplan, S., Vavatsoulas, K., Prato, C.G., 2014. Aggravating and mitigating factors associated with cyclist injury severity in Denmark. *Journal of Safety Research*, 50, 75-82.
- Prato, C.G., Kaplan, S., 2014. Bus accident severity and passenger injury: Evidence from Denmark. *European Transport Research Review*, 6 (1), 17-30.
- Prato, C.G., Rasmussen, T.K., Kaplan, S., 2014. Risk factors associated with crash severity on low-volume rural roads in Denmark. *Journal of Transportation Safety and Security*, 6 (1), 1-20.
- Weiss, H.B., Kaplan, S., Prato, C.G., 2014. Analysis of factors associated with injury severity in crashes involving young New Zealand drivers. *Accident Analysis and Prevention*, 65, 142-155.
- Frenkel, A., Bendit, E., Kaplan S., 2013. Residential location choice of knowledge-workers: the role of amenities, workplace and lifestyle. *Cities*, 35, 33-41.
- Frenkel, A., Bendit, E., Kaplan, S., 2013. The linkage between the lifestyle of knowledge-workers and their intra-metropolitan residential choice: a clustering approach based on self-organizing maps. *Computers, Environment and Urban Systems*, 39, 151-161.
- Kaplan, S., Prato, C.G., 2013. Cyclist-motorist crash patterns in Denmark: A latent class clustering approach. *Traffic Injury and Prevention*, 14, 725-733.

- Sigurdardottir, S.B., Møller, M., Kaplan, S., Teasdale, T.W., 2013. Understanding adolescents' intentions to commute by car or bicycle as adults. *Transportation Research Part D: Transport and Environment*, 24, 1-9.
- Kaplan, S., 2012. Auto-motives: understanding car use behaviours (Eds. Lucas, K., Blumenberg, E., Weinberger, R.). *Transport Reviews*, 32 (2), 260-261.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2012. Web-based survey design for unraveling semi-compensatory choice in transport and urban planning. *Transportation Planning and Technology*, 35 (2), 121-143.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2012. Development and estimation of a semi-compensatory model with a flexible error structure. *Transportation Research Part B: Methodological*, 46 (2), 291-304.
- Kaplan, S., Shiftan Y., Bekhor, S., 2012. Hybrid compensatory-noncompensatory choice sets in semicompensatory models. *Transportation Research Record*, 2322, 10-19.
- Kaplan, S., Prato, C.G., 2012. Closing the gap between behavior and models in route choice: the role of spatiotemporal constraints and latent traits in choice set formation. *Transportation Research Part F: Traffic Psychology and Behaviour*, 15 (1), 9-24.
- Kaplan, S., Prato, C.G., 2012. The application of the Random Regret Minimization model to drivers' choice of crash avoidance maneuvers. *Transportation Research Part F: Traffic Psychology and Behaviour*, 15 (6), 699-709.
- Kaplan, S., Prato, C.G., 2012. Braking news: the link between crash severity and crash avoidance maneuvers. *Transportation Research Record*, 2280, 75-88.
- Kaplan, S., Prato, C.G., 2012. Risk factors associated with bus accident severity in the United States: A generalized ordered logit model. *Journal of Safety Research*, 43 (3), 171-180.
- Kaplan, S., Prato, C.G., 2012. Associating crash avoidance maneuvers with driver attributes and accident characteristics: a mixed logit model approach. *Traffic Injury and Prevention*, 13 (3), 315-326.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2011. Eliciting and estimating reservation price: a semi-compensatory approach. *Journal of Business Research*, 64 (1), 45-50.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2011. Development and estimation of a semi-compensatory residential choice model based on explicit choice protocols. *Annals of Regional Science*, 47 (1), 51-80.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2009. A two-stage model jointly revealing the determinants of non-compensatory conjunctive choice set formation and compensatory choice. *Transportation Research Record*, 2134, 153-163.
- Kaplan, S., Prato, C.G., 2007. Impact of BAC limit reduction on different population segments: a Poisson fixed effect analysis. *Accident Analysis and Prevention*, 39 (6), 1146-1154.
- Melzer, R., Kaplan, S., 2004. Personal security using public transport - the Israeli experience. *Public Transport International*, 53 (5), 40-41.
- Shiftan, Y., Kaplan, S., Hakkert, S., 2003. Scenario building as a tool for planning a sustainable transportation system. *Transportation Research D: Transport and Environment*, 8 (5), 323-342. Appeared in the Elsevier list of top 25 most requested papers (April 2002 - April 2004).

Books

Kaplan, S., 2010. *Development and estimation of flexible semi-compensatory choice models*. Lambert Academic Publishing, Saarbrücken, Germany.

Book chapters

Christensen, L., Kaplan, S., Jensen, T.C., Røpke, S., Olsen, A., in press. The recharging infrastructure needs for long distance travel by electric vehicles: a comparison of battery-switching and quick-charging stations. In: Thill J.C. (Ed.), *Spatial Analysis and Location Modeling in Urban and Regional Systems*, Advances in Geographic Information Science, Springer, Heidelberg.

Kaplan, S., 2013. Behavioral choice paradigms and their mathematical representation. In: Columbus, A. (Ed.), *Advances in Psychology Research Volume 96*, Nova Science Publishers, New York, NY, pp. 199-224.

Prato, C.G., Kaplan, S., 2013. Driving on the edge: the motivational factors of risk-taking among teen drivers. In: Assailly, J.P. (Ed.), *Psychology of Risk-Taking*, Nova Science Publishers, New York, NY, pp. 115-138.

Prato, C.G., Kaplan, S., 2012. Promoting safe transit: analyzing bus accident patterns. In: Prato, C.G. (Ed.), *Accidents: Risk factors, health outcomes and safety measures*, Nova Science Publishers, New York, NY, pp. 1-17.

Shiftan, Y., Kaplan, S., Hakkert, S., 2004. Scenario building for the future of the Tel-Aviv metropolitan area and its transportation system using the Delphi method. In: Beuthe, M., Himanen, V., Reggiani, A., Zamparini, L. (Eds.), *Transport Developments and Innovations in an Evolving World*, Berlin: Springer-Verlag, pp. 275-289.