Agenda
ABJ80 Statistical Methods Committee

website: http://trbstats.weebly.com/
Tuesday, Jan 15, 2013
8:00 AM to 10:15 PM, Marriott Harding

Chair: Linda Ng Boyle, University of Washington
Secretary: Ida van Schalkwyk

Scope: The ABJ80 Committee is concerned with the appropriate application of statistical methods in the field of transportation. The committee serves as a resource on statistical matters for all other TRB committees and related National Academies of Science committees; will foster understanding and use of statistics through the dissemination and educational activities; and will identify and foster research needed in statistics for use in transportation.

8:00 to 8:10 am	Introductions
8:10 to 8:15 am	Approval of 2012 Annual Meeting Minutes (Ida van Schalkwyk)
8:15 to 8:20 am	Committee Rotation Requirements and Membership Updates
8:20 to 8:25 am	Sessions Sponsored and Co-Sponsored by ABJ80 2011 (Linda Boyle, Bob Scopatz)
8:25 to 8:30 am	Traffic Records Forum (Bob Scopatz)
8:30 to 8:40 am	Paper review process, statistics, and identification of issues (Linda Boyle, John Milton)
8:40 to 8:45 am	Paper Award (Promod Chandhok)
8:45 to 8:55 am	SHRP 2 activities (Ken Campbell)

8:55 to 9:05 am (floating 15 minutes)
    TRB initiatives and Data Section News (Bernardo Kleiner, Rick Pain)

9:05 to 8:15 am	Committee website, LinkedIn (Naveen Eluru)
9:15 to 9:25 am	Subcommittees (Paper review, strategic planning, research needs statements, etc.)
9:25 to 9:35 am	Research needs statements (Karin Bauer, Thomas Jonsson)
9:35 to 9:45 am	Future Committee Activities and Sessions (Linda Boyle)
9:45 to 9:55 am	TRB Circular on Analytical Tools for Transportation Researchers and Practitioners (Linda Boyle)
9:55 to 10:00 am	BTS and JSM Conference Invited Papers in Transportation Statistics (Promod Chandhok, Feng Guo)
10:00 to 10:10 am	Call to Audience/relevant activities of other committees, conferences, etc.
10:15 am	Adjourn

TRB 2013 ABJ80 Sponsored or Co-Sponsored Sessions/Workshops

Workshop 159: How Do You Turn This Driving Simulator On? Tutorial for Traffic Engineering and Roadway Design Research Using Driving Simulation
Sunday, January 13, 2013 1:30PM - 4:30PM, *Marriott, Balcony B*
Sponsored by Statistical Methods (ABJ80), Vehicle User Characteristics (AND10), Simulation and Measurement of Vehicle and Operator Performance (AND30)

Workshop 192: Transportation Data Forecasting Competition
Sunday, January 13, 2013 1:30PM - 4:30PM, *Hilton, Columbia Hall 4*
Sponsored by**:** Data and Information Systems (ABJ00),Statewide Transportation Data and Information Systems (ABJ20), Information Systems and Technology (ABJ50), Artificial Intelligence and Advanced Computing Applications (ABJ70), (ABJ80)

Session 302: Ensuring Data Quality: What Are the Pitfalls and How Can We Overcome Them?
Monday, January 14, 2013 1:30PM - 3:15PM, *Marriott, Delaware B*
Sponsored by (ABJ80), Safety (ANB00), Safety Data, Analysis and Evaluation (ANB20)

What Are Quality Data?
Data Quality: Old Problems, New Problems, Big Problems
Data Quality: Establishing a Data Quality Improvement Process
Data Quality Management from User's Perspective

Poster Session 658: Statistical Methods Research for Transportation
Tuesday, January 15, 2013 4:15PM - 6:00PM, *Marriott, Salon 2*

1. **Collision Propensity Index for Unsignalized Intersections: Structural Equation Modeling Approach,** Paper 13-3915, Poster Location D06

2. **Multimodal Public Transport Demand: Cointegration Time-Series Approach,** 13-3910, D07

3. **Simplified Two-Stage Choice Set Formation Models Incorporating Observed Choice Set Data,** 13-3870, D08

4. **Intelligent Evaluation of Transportation Management Policies for Metropolitan Areas,** 13-4610, D09

5. **Using Time-Based Metrics to Compare Crash Risk Across Modes and Locations,** 13-0522, D10

6. **Road Safety Forecasts in Five European Countries Using Structural Time-Series Models,** 13-1786, D11

7. **Evaluating Short-Term Traffic Volume Forecasting Models Based on Multiple Data Sets and Data Diagnosis Measures,** 13-3691, D12

8. **Spatial Generalized Ordered-Response Model to Examine Highway Crash Injury Severity,** 13-3810, D13

9. **Developing Cost Estimation Models for Road Rehabilitation and Reconstruction,** 13-2037, D14

10. **Modeling Large-Truck Safety Using Logistic Regression Models,** 13-2067, D15

11. **Development of Statistically Based Methodology for Analyzing Safety Treatments at Isolated High-Speed Signalized Intersections,** 13-5070, D16

12. **Even Perfect Regressions May Not Tell the Effect of Interventions,** 13-4477, E01

13. **Comparison of Sichel and Negative Binomial Models in Estimating Empirical Bayes Estimates,** 13-

2938, E03

14. **Analyzing Different Functional Forms of the Varying Weight Parameter for Finite Mixture of Negative Binomial Regression Models,** 13-3929, E05

15. **Evaluating Double Poisson Generalized Linear Model,** 13-2138, E07

16. **Full Bayes Methods for Road Safety Studies: Does Prior Specification Matter?** 13-3042, E08

17. **Bayesian Approach to Real-Time Traffic State Estimation Using Particle Probability Hypothesis Density with Appropriate Clutter Intensity,** 13-4401, E09

18. **Panel Mixed Ordered Probit Fractional Split Model: Modeling Vehicle Speed on Urban Roads in Montreal, Canada,** 13-5141, E10

19. **Bayesian Inference of Traffic Volumes Based on Bluetooth Data,** 13-4838, E11

20. **Evaluating Alternate Discrete Choice Frameworks for Modeling Crash Injury Severity,** 13-4081, E12

21. **Multivariate Spatial Models of Excess Crash Frequency at Area Level: Case of Costa Rica,** 13-1061, E13

22. **The Language of Driving: Advantages and Applications of Symbolic Data Reduction for Naturalistic Driving Data Analysis,** 13-2947, E14

23. **Reliable Game Model for Network Violator Interception Problem,** 13-2431, E15

24. **Hotspot Identification Under Limited Information: Combined Probabilistic and Fuzzy Cluster-Based Approach,** 13-2379, E16