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

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-
15. Evaluating Double Poisson Generalized Linear Model, 13-2138, E07
18. Panel Mixed Ordered Probit Fractional Split Model: Modeling Vehicle Speed on Urban Roads in Montreal, Canada, 13-5141, E10
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