Mickael Delahaye

Director of Programming

Mr. Mickael Delahaye's extensive analytical experience is primarily in the fields of statistics, econometrics, and finance. His background (MBA, Statistics and Audit; MA, Economics) includes trend analysis, creation of predictive models using data extraction routines (SQL/VBA), and creation of large databases containing current and historical data as well as statistical market data to facilitate tracking of asset values and forecast market availability. For JP Research, he writes programs and performs analyses, primarily utilizing data from the federal Fatality Analysis Reporting System (FARS) and National Automotive Sampling System (NASS) databases and numerous state motor vehicle accident files.

Mr. Delahaye has conducted cost-effectiveness studies that included analyzing products, processes, budgets, and statistics, and he is experienced in cost management, forecast, and planning. As a teaching assistant at Staffordshire University, Mr. Delahaye was in charge of macroeconomics lectures and tutorials for first year students.

Education, Certifications, Special Skills, Professional Honors

Staffordshire University, and EUSEG, France	M.A., Economics	1996
Staffordshire University, Stoke-on-Trent, Great Britain	Postgraduate studies, Econometrics	1996-1997
Institute of Administration (IAE) Lille, France	MBA, Statistics and Audit	2000

Fluent in French; good knowledge of German.

Excellent knowledge of databases (Access, SQL Server, Sybase), Econometrics software (SPSS, Limdep, SAS/SAP, etc.), MS Office, and programming languages.

Professional Experience

JP Research, Inc., Mountain View, California
Director of Programming, 2003-Present
Mr. Delahaye has provided computer technical support on database issues for all the company's offices and locations, including India and Europe. Mr. Delahaye has also conducted cost-effectiveness studies that included analyzing products, processes, budgets, and statistics, and he is experienced in cost management, forecast, and planning. For a large-database roof crush study, Mr. Delahaye came into the project already in progress and took over responsibility for the statistical programming and analyses, and he has led data programming and statistical analyses efforts for various airbag effectiveness studies, using FARS and NASS (CDS and GES) data, state crash data files, and vehicle registration data. He has also evaluated Insurance Institute for Highway Safety (IIHS) and National Highway Traffic Safety Administration (NHTSA) studies and papers published on frontal (full-powered and depowered) and side airbag effectiveness.

For a large study evaluating the effectiveness of parts marking and anti-theft devices for inhibiting auto theft, Mr. Delahaye led the statistical effort to recreate the statistical results from an earlier (outside) study and identify any inherent deficiencies in the original study's methodology – including inadequate or inappropriate procedures or assumptions. He was also was instrumental in developing a simpler methodology to determine conditional likelihood, using Mantel-Haenszel procedures to address various factors affecting theft rates by state and car model, for more accurate and verifiable predictions. This included developing separate regression models for each state (that can be applied to determine whether the effectiveness of anti-theft devices and/or parts marking in the respective states is statistically significant) and then explicitly controlling for the effects of each state and car model and running various statistical models. Various factors influencing theft rates (e.g., vehicle age, vehicle type, rural/urban, and state/age of population by state) were included in the study to determine the true effects of parts marking and anti-theft devices.

Babcock & Brown (Asset Management Company), San Francisco, California
Data Analyst, Operating Lease Department, 2000–2003
Responsible for performing various programming and analysis functions, including creation of an appraisal database containing all major appraisal data (current and historical) and statistical market data. This database was developed to both facilitate tracking of asset values and forecast market availability.

ACTHIS (Engineering Company), Roubaix, France
Cost Effectiveness Analyst, 2000

AOM (Airline Company), Orly Airport, France
Sales Analyst, Audit Department, 1999-2000

Staffordshire University, Stoke-on-Trent, Great Britain
Teaching Assistant, 1996-1997

Selected Publications and Presentations

Padmanaban J, Delahaye M, Hassan A, Mackay M. "Problems with Comparing Vehicle Compatibility Issues in US and UK Fleets," Proceedings of the 2004 International IRCOBI Conference on the Biomechanics of Impact, Graz, Austria, September 22, 2004