

LITIGATION EXPERT RETENTIONS

Dennis Nollette v. Sony Pictures Home Entertainment, Inc.
Judicial Arbitration and Mediation Services (JAMS Reference No. 1220041935)
September 2012. Report.

April Stewart v. Glendon Partners, LLC
Superior Court of the State of California, for the County of Los Angeles.
June 2011. Designated.

HONORS AND AWARDS

National Science Foundation VIGRE Fellowship

PROFESSIONAL AFFILIATIONS

Member, American Statistical Association, 2004-present
Member, Committee on Career Development, American Statistical Association, 2013-2015
Mu Sigma Rho
Phi Beta Kappa

PUBLICATIONS

“Observational Studies in a Litigation Context: Important Practices in A Large-Scale Case Study,” BRG Review 3:1, Spring 2013.

“A Review of the 2011 and 2013 Digital Television Energy Efficiency Regulations Developed and Adopted by the California Energy Commission,” *California Journal of Politics and Policy*, Vol. 3: Issue 1, Article 22, 2011.

WRITTEN SUBMISSIONS TO REGULATORY ENTITIES

“An Economic Assessment of Public Policies to Compel Unreimbursed Services to be Provided by Nonprofit Hospitals in California,” Commissioned by the California Hospital A

“A Review of the ‘December 2008 Draft Efficiency Standards for Televisions’ Proposed by the California Energy Commission,” Commissioned by the Consumer Electronics Association. March 23, 2009.

REPRESENTATIVE ENGAGEMENTS

Labor and Employment

- Performed analysis of executive compensation data to benchmark C-suite short term and long term compensation for a small, privately-owned medical company.
- Performed analysis of base and overtime pay as compared to similar positions in the police and aviation industry.
- Conducted primary research to understand and estimate the short term and long term effects of having an accredited or unaccredited doctorate degree.
- Analyzed personnel documents and conducted telephone interviews to assess job performance and whether termination was reasonable.
- Analyzed historical payroll and punch data to estimate exposure due to missed 1st and 2nd meal breaks being compensated incorrectly.
- Analyzed executive compensation data to benchmark C-suite short term and long term compensation within the Food and Kindred Products industry.
- Performed in-person interviews and reviewed personnel documents to assess a particular employee's job performance and whether appropriate protocol was followed in termination.
- Performed analysis of historical compensation data for a large class of technical workers across multiple firms in connection with an allegation of a conspiracy to suppress pay by their employers.
- Gather and analyzed publicly available data to benchmark base compensation for Sheet Metal Workers in the Bay Area.
- Analyzed executive compensation data to benchmark C-suite short term and long term compensation within the Petroleum industry.
- Performed statistical analysis of employment termination data in a single plaintiff age discrimination case in the entertainment industry. Submitted a declaration.
- Performed quantitative and qualitative review of time records, job descriptions, training materials, and electronic record in a single plaintiff independent contractor misclassification case for a large insurance company.
- Analyzed time records for potential exposure in a missed meal and rest break class action for a Fortune 100 company. Assisted counsel with random sampling for mediation purposes.
- Consulted with a national fuel delivery company to consolidate employment data and create statistical analyses in response to an OFCCP audit.
- Performed questionnaire design and statistical analysis for managerial misclassification case involving a large automotive retail chain.
- Designed sampling protocol and analysis for an observational study used to estimate hours worked, meal breaks, and rest breaks taken by sales representatives for a Fortune 500 company.
- Conducted interviews, designed phone survey and questionnaire, and performed statistical analysis on the results for a large tire store chain in a manager misclassification case.
- Performed an analysis of job descriptions, employee tasks, interviews of relevant employees and relevant public statistical data for a financial services company in a single plaintiff misclassification matter.

- Managed data collection and analysis for a large logistics corporation seeking to resolve an unpaid vacation class action suit with mediation.
- Constructed stratified random sampling design and analyzed results to estimate number of missed meal and rest breaks by guards at a prison.
- Constructed and analyzed relational database to determine whether employees were misclassified as independent contractors in a large class action suit.
- Analyzed validity of opposing expert's sampling methodology proposed for class certification purposes.
- Managed and analyzed several large databases of employee personnel information to determine the legitimacy of alleged age discrimination in a national reduction in force in an investigation of a leading microchip, computing and communications company.
- Managed large databases of information and complex statistical techniques to investigate claim in a race and gender discrimination case for a national financial brokerage firm.
- Organized, managed, and analyzed several large databases containing years of data in order to calculate economic damages in a wrongful termination lawsuit against a large investment firm.
- Specified statistical models to analyze the racial distribution of the true applicant pool in a racial discrimination suit alleging biased practices in the job application and hiring processes.
- Created and maintained job applicant and hire databases and also performed statistical analyses to rebut the allegation in an OFCCP investigation of a large poultry processing firm relating to discriminatory hiring practices.
- Calculated potential exposure to the firm given a variety of outcomes in the case in an OFCCP investigation of a large automotive supplier company relating to alleged discriminatory hiring practices.
- Statistically analyzed survey data, point of sales data, and employee turnover data in a wage and hour class action suit of department managers against a major retailer chain over failure to pay overtime.
- Performed a rebuttal analysis of the other experts' survey design and analysis in an alleged unpaid meal break case against a large grocery store chain.
- Statistically analyzed applicant and employment practices and their distributions to investigate allegations in a case against a temp agency and a large poultry processing firm relating to allegations of discrimination due to religious practices.
- Designed a survey about managers' working habits in a wage and hour class action suit against a large electronic equipment retail chain.
- Analyzed the plaintiffs' expert's models for economic damages in a multi-plaintiff wrongful termination and age discrimination case against a large telecommunication company.

Healthcare

- Statistically analyzed random sample of elderly citizens to determine whether a transition to community care resulted in increased monthly costs of care.
- Designed sampling plan to audit historical claims for accuracy in a regulatory audit of a large health plan.

- Designed and performed statistical sampling plan in a case involving alleged physician upcoding, unbundling, and overprescribing.
- Performed statistical analysis in the class certification process in a major healthcare class action suit over alleged abuse of federally funded healthcare system by a large hospital chain.
- Analyzed the government's sampling methodology and performed alternative extrapolations using the corrected statistical techniques in a government audit of alleged overpayment for a multi-specialty physician group.
- Assisted in developing a stratified sampling plan and extrapolating the results to all claims to provide an accurate and precise estimate of actual overpayments in a dispute between CMS and a research hospital over alleged overpayments.
- Employed statistical data mining techniques on a large claims database resulting in the identification of a systematic error which had led to the nonpayment of claims in a case where a large group of providers alleged failure of reimbursement of claims against local and state agencies.

Securities

- Performed option valuation using both the Black-Scholes model and Hull-White methods to account for early exercise and employee exit rates.
- Validated and critiqued a sampling plan of loans to be assessed for breach of underwriting standards and alleged damages.
- Validated and critiqued the valuation of a real option put on long term contracts with partial guarantees from other parties.
- Analyzed the grant option date distribution to establish the likelihood of stock option backdating in a criminal investigation of executives at a prominent semiconductor supply corporation.
- Performed an event study of litigation related events to assess how alleged improper accounting practices by management affected stock price in a large securities litigation derivative case.
- Performed statistical analyses to assess whether a proposed portion of a class action settlement was acceptable to the company in lieu of an independent settlement for a large management fund company.
- Utilized multi-trader models to assess potential damages to the class of shareholders in a securities litigation case for a large provider of semiconductor equipment.
- Performed statistical scenario analyses of how restatements affected the firm's historical stock prices in a stock option backdating case.
- Performed statistical analysis to assess correlations between grant dates, the size of grants and stock returns on or around the grant dates to investigate any improper behavior in an SEC investigation of alleged stock option backdating practices.

Intellectual Property

- Created and managed large databases in order to determine lost profits and reasonable royalty damages on a patent infringement case involving wireless and cellular technology.
- Performed statistical analysis of sales data to determine whether product launch had an effect on related products in a patent infringement case.
- Determined lost profits and reasonable royalty damages on a patent infringement case involving financial market data compression technology.
- Calculated lost profits and reasonable royalty damages on a patent infringement case for a web-based software and service provider.
- Calculated the fair market value of specialty data to be used for marketing and compensation strategy at a large pharmaceutical firm including reasonable royalties.

Other

- Analyzed historical success and secondary data to optimize location placement for a medical company and recommend future center locations.
- Validated and critiqued the use of certain statistical methods to estimate lost revenue or damages due to a breach of contract.
- Performed analysis to optimize investment allocation for a Fortune 500 company in the Pharmaceutical industry.
- Performed quantitative analysis of commodity market in commercial damages case.
- Performed quantitative analysis, model validation in accordance with federal standards, and simulations for two risk models under consideration by a federal financial institution.
- Developed complex econometric time series models based on IMS sales data to estimate global lost profits to a large pharmaceutical company in a business interruption case.
- Co-authored white paper discussing the efficiency of electricity futures markets.
- Analyzed an opposing expert's hedonic regression methodology used to determine damages to a real estate market caused by groundwater contamination.
- Determined which branches of a large bank were located within a certain proximity to Census tracts and Census block groups with a proportion of minority residents larger than 50% for class certification purposes.
- Performed an industry-specific valuation of the company to assess economic damages in a breach of contract dispute between an entrepreneur and their development partner.
- Performed a valuation of drug development in an emerging pharmaceutical niche market in a breach of contract dispute between a pharmaceutical research and pharmaceutical development company.
- Created a comprehensive database of transportation and financial related data to create statistical models to rebut plaintiff allegations in a case against a transportation commission in a large metropolitan area alleging discriminatory subsidiary practices.

- Calculated probabilities of incidence and performed statistical analyses of climate data in a safety gross negligence case against a large mall operator related to the malfunction of escalators which led to personal injuries.
- Specified statistical forecasting models to compute but-for revenues and profits for an economic damages estimate in a business interruption case.
- Utilized statistical sampling based control methodologies to assess quality measures of large data entry projects on several occasions.