Jeanette Christine Shutay, PhD
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Employment History:

June 2023 Present	Shutay Consulting 14021 West Dublin Drive, Homer Glen, IL 60491
Position	President, CEO, and CDAO
Responsibilities	Provide strategic and execution support for organizations and individuals who are looking to embark on digital transformation, build and implement a data science and/or advanced analytics center of excellence, design and/or evaluate programs, conduct research, or who simply need help with data analysis and reporting. Expertise spans across social and behavioral sciences, education, supply chain & logistics, real estate, and conservation science.

August 2022 June 2023	Charity Navigator 299 Market Street, Suite 250, Saddle Brook, NJ 07663
Position	Chief Data Technology Officer
Responsibilities	Own the organizational strategy and roadmap around technology investments and engineering and data science initiatives. Manage and lead a team of data and software engineers. Provide thought leadership and methodological guidance on the organization's ratings methodology and go to market strategies. Conduct capability assessment and identify organizational needs for building a data science team, including people, processes, and tools. Identify, hire, and retain top tech talent and manage key vendor strategic relationships. Work with universities and other strategic partners to design and implement research initiatives and create new data assets. Manage a portfolio of data assets, including data and cybersecurity governance. Adopt practices that maintain ethical applications of ML and AI.

July 2021 August 2022	Redwood Logistics 1765 North Elston Avenue, Suite 216, Chicago, IL 60642
Position	Vice President, Data Science
Responsibilities	Develop the organizational data science strategy in coordination with business, product, and technology. Build and develop data science teams and capabilities. Facilitate data science democratization. Lead data science ML/AI proof of concepts that scale and result in incremental net

revenue and cost reductions. Evaluate external data sources. Lead Data Council focusing on data governance and federation. Provide thought leadership on data science in supply chain and sustainability.

September 2012 July 2021	HAVI 3500 Lacy Road, Suite 600, Downers Grove, IL 60515
Position	Senior Director, Analytics & Data Science Strategy
Responsibilities	Develop corporate strategy around data science applications, opportunities, and implementation within a global matrix organization. Develop and maintain a community of practice through data science democratization & standardization. Evaluate external data sources, data models. Conduct ML/AI experiments.
Position	Senior Director, Advanced Analytics (November 2017 – April 2020)
Responsibilities	Lead the Advanced Analytics Center of Excellence, including P&L responsibilities and product development. Support internal teams by managing a cross-functional team of data scientists, engineers, etc. Lead data science projects enterprise-wide and evaluate data utility and applicability. Provide consultation on data models and integration.
Position	Director, Analytics Solutions (August 2015 – October 2017)
Responsibilities	Provide strategic and thought leadership for new business development, which includes analyzing customer, market, and competitor research, supporting the development of business models, building our data science capabilities, providing methodological consultation and direction, leading analytical pilot projects for pre-sales, and leading the prototyping/ development efforts of predictive analytics solutions. Evaluating and implementing Cloud and open source technologies.
Position	Director, Business Analytics (February 2014 – July 2015)
Responsibilities	Provide forecasting and analytics leadership for McDonald's (segmentation, price, geographical trends, trade-off, etc.), and market trend analyses. Assess various programs and products for diverse markets to secure new business. Manage and develop employees.
Position	Senior Manager, Business Analytics (September 2012 – February 2014)
Responsibilities	Lead item replenishment in McDonald's North America, Asia, and Australia (forecasting, post promotional assessment, market trend analyses). Manage and develop employees.

July 2018	Northcentral University
May 2021	2488 Historic Decatur Road, Suite 100, San Diego, CA 92106

Position   Adjunct Professor (School of Technology)

Responsibilities   Develop courses for the Data Science graduate program, teach graduate level courses, and serve on dissertation committees.

April 2012	Grand Canyon University
May 2019	3300 W. Camelback Road, Phoenix, AZ 85017

Position   Adjunct Faculty (College of Doctoral Studies)

Responsibilities   Teach on-line doctoral courses and serve on dissertation committees.

July 2010	Northcentral University
May 2013	8667 E Hartford Dr Ste 100, Scottsdale, AZ 85255

Position   Adjunct Faculty (School of Behavioral Health Sciences)

Responsibilities   Teach on-line doctoral courses and serve on dissertation committees.

August 2006	Calumet College of St. Joseph
September 2012	2400 New York Avenue, Whiting, IN 46394

Position   Associate Professor (Graduate Program)

Responsibilities   Teach graduate research methods and statistical courses. Maintain on-going research agenda. Advise students and serve on college related committees. Participate in curriculum and program development.

October 2001	Havi Global Solutions (now HAVI), Demand Planning
June 2007	3075 Highland Parkway, Suite 200, Downers Grove, IL 60515

Position   Demand Planner/Manager (October 2001 – June 2007)

Responsibilities   Data validation, consumer behavior trend analysis, and restaurant level forecasts for McDonalds Canada and Japan. Develop a country "readiness" assessment to assess maturity. Evaluate the appeal of various programs and products for diverse markets.

September 2000	Jshutay Consulting
March 2013	10421 West Dublin Drive, Homer Glen, IL 60491

Position   President and CEO

Responsibilities	Provide strategic and execution support for all things research and data analysis related. Provide consulting and hands-on support for hundreds of doctoral students and several non-profit, education, and government organizations. Project description examples are provided on pages 4-5.

August 2000 September 2001	Sears Roebuck & Company 3333 Beverly Road, Hoffman Estates, IL 60179
Position	Research Statistician
Responsibilities	Develop response models for service contracts. Conduct data manipulations, cleaning, and analysis.

Education, Licenses, Certifications[1]:
- MA in Biology (Dec 2022), Miami University, Ohio
- Geographic Information Services certificate (Dec 2021), Penn State
- Entrepreneurship Specialization (Oct 2017), Coursera: Wharton Business School
- Executive Data Science Specialization (Dec 2016), Coursera: John Hopkins University
- Real Estate Managing Broker (Feb 2012)
- PhD in Research Methodology (Jan 2001), Loyola University, Chicago
- MA in Developmental Psychology (May 1999), Loyola University, Chicago
- BA in Psychology (Jun 1994), DePaul University

Tools / Software:

- Azure, AWS, Databricks, Snowflake, Tableau, Power BI, Postgres, SQL
- SPSS, Python (e.g., pandas, numpy, scipy, sklearn, torch, tensorflow, matplotlib, plolty)

Jshutay Consulting Project Examples:
Juvenile Justice Center of Lake County, IN (February 2011 to September 2012): Provide guidance relative to the validation and possible modification of the current screening tool for determining whether to retain or administratively release juveniles. Provide analyses and reports focusing on racial disparities (or lack thereof) relating to the retention (versus release) of juveniles.

Whiting High School, Whiting, IN (May 2011 to September 2012): Provide professional development to teachers pertaining to the use and analysis of assessment data and using student assessment data to drive instructional practices. Student standardized achievement data will be analyzed along with classroom assessments to identify instructional and curriculum strengths and weaknesses relative to Algebra I and English 10 by standard, and by AYP subgroup. Short term goals include developing an assessment system that is linked to ECA standards, and monitoring student performance to modify instruction as needed. Long term goals include increasing student ECA Algebra 1 and English 10 passing rates and increasing student motivation.

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[1] Professional publications and work examples are available upon request.

G84Consulting, LLC: (March 2011 to November 2011): Serve as an independent consultant on the design, implementation and evaluation of an online teacher professional development program geared to increase teacher self-efficacy and ability regarding developing and implementing an inquiry-based science curriculum. Data requirements were identified; metrics were identified, created, and evaluated; teacher self-efficacy and knowledge were evaluated; mentor-mentee relationships were evaluated; and student achievement on end of unit tests was evaluated.

Balanced Literacy Initiative in Northwest Indiana Research Project (January 2010 to January 2013): The purpose of this research project is to evaluate the implementation of the Balanced Literacy Initiative, which was spearheaded by the Lakeshore Alliance for Student Success (LASS) in Northwest Indiana. Currently 25 elementary schools are receiving the training and resources needed to implement the program in grades K-2. Dr. Jeanette Shutay is serving as the lead researcher, as designated by LASS, in the data collection, analysis and reporting of the effectiveness of the Balanced Literacy Initiative. To date, two years of implementation data have been collected from 21 schools, and three years of comparison data in the form of standardized assessments have been collected from several schools (control year plus two years of BLI implementation). Effect sizes have been computed for each school by year, grade level (first and second grade), and by type of design (between groups, within groups, and mixed design). The results of the various participating schools will be compared and combined via a formal meta-analysis. A manuscript is currently being prepared for submission for publication.

Boys and Girls Clubs of Northwest Indiana (September 2009 to September 2012): Design data collection instrumentation (qualitative and quantitative), conduct focus groups and interviews, analyze and integrate multiple data sources and prepare quarterly and annual reports. The reports will identify the strengths and weaknesses of program and provide specific recommendations for continuous improvement. Some of the outcomes of the program to be evaluated include grade point average in school, school attendance, student discipline data, knowledge of content areas taught in the Ten Steps Rites of Passage Program, mental health outcomes, completion of mentoring activities and satisfaction with the program.

Parents as Teachers of Lake County (May 2009 to August 2013): The primary purpose of this evaluation was to measure parent perceptions and behaviors regarding their parenting practices, as measured by the Survey of Parenting Practice, and to determine the level of effectiveness of the PAT program regarding its impact on parenting knowledge, confidence, abilities, and behaviors. A secondary purpose of this evaluation was to identify potential weaknesses within specific stratums of the participant population regarding ethnicity, income level, educational attainment, and size of household. Finally, this evaluation study assessed the reliability and validity of the survey instrument used to collect the parent data to determine the quality of the survey as well as the quality of the data used for the evaluation of the parent component of the PAT program.

Boys and Girls Clubs of Michigan City (February 2009 to September 2012): Provide training in the use of SPSS to create a database, code the variables, analyze the data and interpret

the findings. Provide recommendations for a system wide standardized coding documentation process.

The Office of National Drug Control Policy (December 2008 to August 2010): Analyze and integrate multiple data sources and prepare an annual report on the effectiveness of the National Youth Anti-Drug Media Campaign. The report provided a link between the Campaign's outcomes related to attitude and intent and the National Strategy goal of reducing youth drug use, to which the campaign is a key but by no means the sole contributor.

The Discovery Alliance (May 2007 to January 2009): Provide direct services and consultation to 22 programs regarding the development of a data collection and management system. Conducted data analyses to link program inputs to outcomes and developing the corresponding documentation of the results. Present data analysis findings to service providers, board members, etc.

Two by Two Animal Campus (November 2006 to May 2012): Evaluate 2nd and 4th grade assessment tools and provide specific recommendations for modifications to the assessment tool based on test theory and quantitative data analysis. Analyze student achievement pre and post data and created formal program evaluation reports. Conduct focus groups with teachers from different elementary schools in Iowa and Wisconsin to collect data relating to the implementation of their extensive and comprehensive character curriculum, and conduct analyses based on culture and climate survey data. Lead the evaluation of the character curriculum and provide actionable insights.

Chicago Public Schools (July 2006 to May 2010): Provide psychometric expertise to CPS. Reviewed, critiqued and explained the work done by organizations such as Harcourt, ETS and American Institutes for Research regarding the development, validation and administration of standardized assessments. Analyze student performance data and identify weaknesses of the assessments relating to overall test reliability, item level quality (difficulty, discrimination and internal consistency) and issues of racial, gender and disability bias.

University of South Florida, College of Public Health (July 2005 to September 2005): Conduct seven program evaluations, relating to emergency response preparation programs, using course evaluations (qualitative and quantitative data) and participant pretest/post-test performance data. Assess the psychometric properties of the content test (pre and post test). Provide actionable recommendations for program delivery improvements and modifications to the course evaluations and assessment instruments.

Professional Contributions:
Shutay, J. (2022, April). Shippers search for the nexus of sustainability and supply chain efficiency. *SupplyChainBrain.*
Abrams, J., Holub, A., & Shutay, J. (2022, March). Roundtable on supply chain transformation. *Crain's Chicago Business.*
Shutay, J. (2021, April). Logistics supported by advanced analytics and technologies. *Logistics Tech Outlook.*

Shutay, J. (2020, March). HAVI's Data Science Transformation Journey. **Presented at The Technology Executives Club,** Lake Forest, Illinois.

Shutay. J. (2020, February). Common data driven mistakes. **Presented for Promotable**, Chicago, Illinois.

Shutay, J. (2016, November). Designing, implementing and validating predictive analytics methodologies for solution development: A data science journey. **Paper presented for the Chicago Chapter of the American Statistical Association**, Chicago, Illinois.

Peer Reviewed Publications:

Shutay, J. & Ahern, J. (2019). Transforming supply chains through integrated business planning supported with advanced technologies. *Journal of Supply Chain Management, Logistics and Procurement, 4(1).*

Best, C. & Shutay, J. (2018). The holistic leadership questionnaire: A validation study. *Journal of Leadership and Management, 12(2018),* 102-115.

Shutay, J.; Williams, J., & Shutay, R. (2011). Predicting conduct disorder, drug use and court involvement for expelled adolescents: Developing theoretically based explanatory models by gender. *Journal of Applied Psychology and Criminal Justice, 7(1),* 9-28.

Shutay, J.; Plebanski, D., & McCafferty, M. (2010). Assessing the academic skills of inmates: Policy implications for reducing recidivism. *Journal of Correctional Education, 61(2),* 99-113.

Shutay, J. & Angelo, D. (2009). Examining the relationship between parental stress, child abuse potential and perceptions of child. *Journal of the Indiana Academy of the Social Sciences, XIII,* 85-96.

Shutay, J.; Plebanski, D., & McCafferty, M. (2008). Inmate drug assessment study at the Lake County Indiana jail. *Journal of the Indiana Academy of the Social Sciences, XIII,* 75-85.

National Conference Presentations:

Angelo, D., Shutay, J., & Plebanski, D. (2011, November). *Portage Threat Assessment.* **Paper presented at the American Society of Criminology**, Washington, DC.

Shutay, J. & Smith, K. (2011, October). *Evaluation study of the impact of the Parents as Teachers (PAT) program on parents' attitudes and parenting practices.* **Paper presented at the annual meeting of the Indiana Academy of Social Sciences**, Valparaiso, Indiana.

Shutay, J., Williams, J., & Shutay, R. (2010, November). *A profile of adolescent drug use and court involvement by gender.* **Paper presented at the American Society of Criminology**, San Francisco, CA.

Williams, J. & Shutay, J. (2010, November). *Complex trauma, psycho-social impairment and delinquency of expelled adolescents.* **Paper presented at the American Society of Criminology**, San Francisco, CA.

McCafferty, M., Cragan, J., & Shutay, J. (2010, November). *Police officer professional vision profile.* **Paper presented at the American Society of Criminology**, San Francisco, CA.

Shutay, J. (2010, January). *Using regression analysis for determining consumer demand for supply chain efficiency: Testing the effect of mediators and moderators using SAS.* **Paper presented at the monthly meeting of the American Society for Quality of Northwest Indiana,** Hammond, Indiana.

Shutay, J. (2009, November). *Examining predictors of child physical abuse: A meta-analytic approach.* **Paper presented at the American Society of Criminology**, Philadelphia, Pennsylvania.

Shutay, J. & Angelo, D. (2009, October). *Examining the relationship between parental stress, child abuse potential and perceptions of child.* **Paper presented at the annual meeting of the Indiana Academy of Social Sciences**, Indianapolis, Indiana.

Shutay, J., Plebanski, D., & McCafferty, M. J. (2008, November). *Assessing the academic skills of inmates: Policy implications for reducing recidivism.* **Paper presented at the annual meeting of the American Society of Criminology**, St. Louis Adam's Mark, St. Louis, Missouri.

Shutay, J., Plebanski, D. J., & McCafferty, M. J. (2007, November). *Inmate drug use and crime: A statistical analyses.* **Paper presented at the annual meeting of the American Society of Criminology**, Atlanta Marriott Marquis, Atlanta, Georgia.

Congressional Research Papers:

Office of National Drug Control Policy. (2010). Annual Analysis of the Effectiveness of the National Youth Anti-Drug Media Campaign (Contract #TPD-NDC-09-C-0001). Washington DC: Jeanette Shutay

Office of National Drug Control Policy. (2009). Annual Analysis of the Effectiveness of the National Youth Anti-Drug Media Campaign (Contract #TPD-NDC-09-C-0001). Washington DC: Jeanette Shutay