

**JEANETTE CHRISTINE SHUTAY, PHD**

United States

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Highly accomplished Research and Data Science Leader with 20+ years of progressive success in organizational strategy for technology and digital investments, engineering, and data science initiatives. Leverages visionary leadership and strategic planning across functional groups. Develops organizational data science strategy along with building and leading data science and product teams. Research methods, statistics, and data science expert across multiple industries.

**Employment and Education****Employment History:**

March 2024 Present	University of Chicago Chicago, IL 60611
Position	Instructor (Part-Time), MS Applied Data Science
Responsibilities	Teach Supply Chain Optimization and advise students on capstone projects.
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July 2023 Present	Jshutay Consulting, Inc. (DBA: Shutay Consulting) Homer Glen, IL 60491
Position	President, CEO & Chief Data Officer
Responsibilities	Provide strategic consultation and hands-on support for digital transformations, building data science practices, conducting small to large-scale research projects, and program evaluation.
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August 2022 June 2023	Charity Navigator Saddle Brook, NJ 07663 (remote)
Position	Chief Data Technology Officer
Responsibilities	Own the organizational strategy and roadmap around technology investments and engineering and data science initiatives. Provide thought leadership and methodological guidance on the organization's ratings methodology and go to market strategies. Conduct capability assessment and identify organizational needs. Identify, hire, and retain top tech talent and manage key vendor strategic relationships. Work with strategic partners to design and implement research initiatives and create new data assets. Manage a portfolio of data assets, including data and cybersecurity governance. Explore and test the incorporation of ML/AI into organizational practices and products.
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July 2021 August 2022	Redwood Logistics 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, conduct A/B tests, and deploy models for incremental net revenue and cost reductions. Evaluate external data sources. Lead data governance and federation. Provide thought leadership on data science in supply chain and sustainability.
September 2012 July 2021	HAVI Downers Grove, IL 60515
Position	Sr. Director, Analytics & Data Science Strategy (Apr 2020 – Jul 2021)
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	Sr. Director, Advanced Analytics (Nov 2017 – Apr 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 (Aug 2015 – Oct 2017)
Responsibilities	Provide strategic 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, leading analytical pilot projects for pre-sales.
Position	Director, Business Analytics (Feb 2014 – Jul 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	Sr. Manager, Business Analytics (Sep 2012 – Feb 2014)
Responsibilities	Lead item replenishment in McDonald's North America, Asia, and Australia, and conduct post promotional assessments and market trends.
July 2018 May 2021	Northcentral University San Diego, CA 92106 (remote)
Position	Adjunct Professor (School of Technology)
Responsibilities	Develop and teach graduate level courses for the Data Science program and serve on dissertation committees. Examples of courses developed include (1) Inferential and Predictive Analytics, (2) Univariate Analysis, and (3) Critical Analysis, Interpreting, and Reporting Data.
April 2012 May 2019	Grand Canyon University Phoenix, AZ 85017 (remote)
Position	Adjunct Faculty (College of Doctoral Studies)
Responsibilities	Teach on-line doctoral courses and serve on dissertation committees. Mentor junior faculty and engage in scholarship.
July 2010 May 2013	Northcentral University Scottsdale, AZ 85255 (remote)
Position	Adjunct Faculty (School of Behavioral Health Sciences)
Responsibilities	Teach on-line doctoral courses and serve on dissertation committees.
August 2006 September 2012	Calumet College of St. Joseph Whiting, IN 46394
Position	Associate Professor (Graduate Program)
Responsibilities	Teach graduate courses in Education, Psychology, Quality Assurance, and Public Safety. Maintain on-going research agenda. Advise students and serve on college related committees. Participate in curriculum and program development. Lead Faculty Senate and IRB.
October 2001 June 2007	Havi Global Solutions (now HAVI) 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.

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September 2000 Jshutay Consulting, Inc.  
March 2013 Homer Glen, IL 60491

Position President and CEO

Responsibilities Provide strategic consulting and hands-on support for researchers and several non-profit, education, and government organizations. Areas of expertise include program evaluation, psychometrics, and data analysis.

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August 2000 Sears Roebuck & Company  
September 2001 3333 Beverly Road, Hoffman Estates, IL 60179

Position Research Statistician

Responsibilities Develop response models for service contracts. Conduct data manipulations, cleaning, and analysis. Ad hoc analyses as needed.

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**Education, Licenses, and Certifications:**

- Social-Behavioral-Education-Researchers, CITI Program (Sep 2023)
- 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), Dept. of Financial and Professional Regulation
- 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

## Research and Scholarship

### **Miami University Master Portfolio:**

Shutay, J. (2022). [Minimizing biodiversity loss through education and data science.](#)

### **Industry Publications and Presentations:**

Shutay, J. & Schmidt, J. (2024, February). The Dirty Dozen: The top 12 “watch outs” for data scientists. **Paper presented for the Chicago Chapter of the American Statistical Association**, Chicago, Illinois.

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 analysis*. **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

**Industry Research and Program Evaluation Contributions:**

- Black AIDS Institute (Nov 2023 – Present): Conduct program level analyses (process and outcomes/impact), provide strategic direction for assessment and program improvements including data collection and programmatic delivery, write programs to automate data processing, collection, and analysis, and assist with grant reporting.
- Juvenile Justice Center of Lake County, IN (Feb 2011 – Sep 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 – Sep 2012): Provide professional development to teachers pertaining to the use and analysis of assessment data and using student assessment data to drive instructional practices.
- G84Consulting, LLC: (Mar 2011 – Nov 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.
- Balanced Literacy Initiative in Northwest Indiana Research Project (Jan 2010 – Jan 2013): The purpose of this research project was to evaluate the implementation of the Balanced Literacy Initiative, which was spearheaded by the Lakeshore Alliance for Student Success (LASS) in Northwest Indiana.
- Boys and Girls Clubs of Northwest Indiana (Sep 2009 – Sep 2012): Design data collection instrumentation (qualitative and quantitative), conduct focus groups and interviews, analyze and integrate multiple data sources, evaluate program fidelity and outcomes, and prepare quarterly and annual reports.
- Parents as Teachers of Lake County (May 2009 – Aug 2013): 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. Identify potential weaknesses within specific strata of the participant population regarding ethnicity, income level, educational attainment, and size of household. Assess the reliability and validity of the survey instruments used and recommend modifications.
- Boys and Girls Clubs of Michigan City (Feb 2009 – Sep 2012): Provide training to create a database, code variables, analyze data and interpret findings. Provide recommendations for a system-wide standardized coding and documentation process.
- The Office of National Drug Control Policy (Dec 2008 – Aug 2010): Analyze and integrate multiple data sources and prepare an annual report on the effectiveness of the National Youth Anti-Drug Media Campaign.
- The Discovery Alliance (May 2007 – Jan 2009): Provide direct services and consultation to 22 programs regarding the development of a data collection and management system. Conduct data analyses to assess program impacts and develop documentation of the results. Present data analysis findings to service providers, board members, etc.
- Two by Two Animal Campus (Nov 2006 – May 2012): Evaluate 2nd and 4th grade assessment tools and provide specific recommendations for modifications based on test theory and quantitative data analysis. Analyze student achievement and write formal program evaluation reports. Conduct focus groups with teachers from various elementary

schools and conduct analyses based on culture and climate survey data. Lead the evaluation of the character curriculum and provide actionable insights.

- Chicago Public Schools (Jul 2006 – 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 test reliability, item level quality and issues of racial, gender and disability bias.
- University of South Florida, College of Public Health (Jul 2005 – Sep 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 tests. Provide actionable recommendations for program delivery improvements and modifications to the course evaluations and assessment instruments.