**Jessica McDonald Drieghe**

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**Visionary Research Leader**

**Transform Organizational Initiatives with Innovative Data-Informed Techniques for High-Impact & Sustainable Results**

Proficient at overseeing diverse global teams and cultivating professional growth, as evidenced by career achievements and leadership roles attained by former team members. Deliver global impact through advanced analysis methodologies and predictive modeling. Leverage expertise in financial analysis and mixed-methods design with focus on amplifying organizational influence and strategy to achieve impactful results. Pursue opportunities to utilize experience and innovative fusion of data triangulation and financial systems to maximize outcomes of policy and program initiatives.

* **Variance, Correlation & Regression**
* **Structural Equation Modeling (SEM)**
* **Data Analysis**
* **Propensity Score Matching**
* **Predictive Modeling**
* **Outcome & Impact**
* **Market & Strategy Analysis**
* **Data Triangulation**
* **Causal Impact Research - Quantitative & Qualitative**
* **Measurement**

**Professional Experience**

**Compassion International**, Colorado Springs, CO

**Global Director Research** 2018 - 2023

* Spearheaded Impact Research teams across 27 countries, including Asia, Africa, Latin America, and Caribbean, executing quantitative, qualitative, and mixed-method studies to assess program impact and effectiveness.
* Transformed data standards and capabilities, expanding from singular research team of 10 to robust, sector-leading Monitoring, Evaluation, and Learning (MERL) department of >65 experts.
* Utilized advanced models, in-depth analysis, and predictive tools, optimizing program efforts and enhancing stewardship effectiveness.
* Launched and implemented formation of strategy and environmental scanning team, unifying internal and external data triangulation and driving informed decisions across programmatic, marketing, and organizational levels.
* Led organization's top initiative and designed Global Growth Model, facilitating expansion into new countries utilizing sophisticated modeling, strategically allocating program funds through economic incentive-driven outcome model while ensuring successful accomplishment of mission.
* Pioneered use of data across organization, fostering relationships with Marketing, Risk, and Regional leadership teams in Asia, Africa, and Latin America / Caribbean (LAC).
* Oversaw organization as external-facing representative, collaborating with academic institutions, including Tufts, Baylor, Boston College, MIT, and USAID on development of new behavioral outcome measurements / studies and engaging with governments in regions where company operates.
* [Institute for Applied Research in Youth Development](https://sites.tufts.edu/iaryd/research/current-projects/compassion-international-project/)

**COFCO International**, Stamford, CT

**Sugar Research - Econometric Model Developer** 2015 - 2018

* + Built first Sugar Quantitative Predictive trade models used at COFCO international, netting $1M in first 2 weeks of trading.
	+ Constructed econometric models for sugar price, consumption, and agricultural yield tailored for regional teams, leading to consistent 3% quarterly increase in yields within sugar futures trading market.
	+ Synthesized weekly research and trade data, chaired weekly team meetings and quarterly strategy sessions within department, deriving short- and long-term future trading strategies, as well as operational objectives.
	+ Implemented predictive and retrospective analysis into commodity market research, enhancing revenue and optimizing Y-O-Y earnings.

**Point 72**, Stamford, CT

**Futures and FX Analyst** 2012 - 2015

* Facilitated Futures and FX trade operations, overseeing key functions such as position surveillance, real-time clearing, and trade execution with precision and accuracy.
* Developed applications and software in collaboration with in-house IT development team that automated clearing and reduced human errors in mandatory reporting, negotiating reduction in broker fees by 3 - 5% per trade with primary clearing houses, including Goldman Sachs and Morgan Stanley.
* Managed trade systems, automated TAS trading, handled static data, and produced compliance reports in response to SEC requests, ensuring regulatory adherence and transparent reporting practices.

**Genomic Health**, Redwood City, CA

**Commercial Operations Analyst Intern** 2011

* + Co-built sales and revenue forecast prediction model, allowing data-driven expansion strategies and targeted campaigns to drive revenue growth into European Markets.
	+ Designed and implemented sales force sizing model, leveraging resource allocation, and contributing to strategic decision-making processes.

**Education**

* **Master of Science (MS)**, Economics, John Hopkins, Baltimore, MD
* **Bachelor of Science (BS)**, Economics, Bucknell University, Lewisburg, PA

**Technical Proficiency**

* STATA
* Python
* EViews
* SPSS
* Java
* Salesforce
* Microsoft Office
* Bloomberg
* Workday
* Banking, Trading, Financial, & Economic Applications