

BRIAN A. WILKEN, CAP-X

LinkedIn: www.linkedin.com/in/brianwilken

Data Science Portfolio: <https://bwilken01.github.io/>

SENIOR OPERATIONS RESEARCH ANALYST

Study Director | Problem Solver | Decision Scientist

Analytics professional with 20+ years of experience in strategic roles, leading cross-functional teams and applying advanced analytical methods to support executive-level decision-making. Passionate learner, educator, and mentor with exceptional communication skills. Holds a master's degree in Operations Research with an emphasis in Applied Statistics and Decision Analysis. Security Clearance: TS/SCI Eligible.

- Proven Leader & Mentor
- Strong Communicator
- Strategic/Critical Thinker
- Probability & Statistics
- Modeling & Simulation
- Machine Learning
- Excel & SQL
- Power BI & Tableau
- Python & R

EDUCATION & CERTIFICATIONS

Data Science Professional Certificate (in-progress), Data Science Infinity

Certified Analytics Professional - Expert (2025), Institute for Operations Research and Management Science

M.S. Operations Research, Applied Stats and Decision Analysis, Air Force Institute of Technology

B.A. Mathematics Education, Olivet Nazarene University

KEY ACCOMPLISHMENTS

- Consistently recognized for outstanding performance! [KBR] **Team of the Quarter** (2023-24); [USAF] **Distinguished Instructor** (2019), **7x Officer of the Year** (2008-12, 2015-16); **Best Presentation** (2007); **Scientist, Engineering, and Test Teams of the Year** (2002-04).
- **Directed six high-impact studies** with analytic teams of 2 to 14, overseeing end-to-end project execution and product delivery—contributing over **\$4.7M in revenue** through strategic, results-oriented leadership.
- **Delivered analytic solutions** as a 20-year Air Force Officer, leading cross-functional teams across logistics, humanitarian missions, military operations, and policy decisions—supporting senior leader decisions **impacting over \$20B in resource allocation**.
- **Developed and taught** a Data Analytics course to over **200** military and civilian personnel at nine locations nationwide—focused on **descriptive, predictive, and prescriptive analytics**.

PROFESSIONAL EXPERIENCE

Study Director / Technical Advisor | KBR, OH (Remote)

Jul 2022 - Present

Study Director assigned to Air Force Research Lab's (AFRL) Transformational Capabilities Office (TCO) applying Operations Research principles to study complex problems.

- Directed six high-impact studies with analytic teams of 2 to 14, overseeing end-to-end project execution and product delivery—contributing over \$4.7M in revenue through strategic, results-oriented leadership.
- Advanced analyst effectiveness by developing a collaboration hub, project tracker, skills assessment tool, and problem-solving framework—mentored 30+ analysts across six teams, improving execution excellence.
- Recognized as Team of the Quarter (2023, 3rd Quarter; 2024, 4th Quarter) for exceptional team performance.

United States Air Force – Various Global Locations

Senior Operations Research Analyst | *Analytics Center of Excellence, VA*

Sep 2020 – Jun 2022

Enabled senior leaders at the Defense Logistics Agency and Department of Defense to make informed decisions through data mining, machine learning, and advanced analytical modeling to solve complex logistical challenges.

- Leadership! Supervised 16-member team in Kuwait providing logistical support to 50K overseas members.
- Advised senior leadership during a President-directed drawdown of 2,500 troops—coordinated delivery of food, water, and supplies to 123K displaced Afghan families.

Senior Analytics Instructor | *Army Logistics University, VA*

Jun 2017 – Sep 2020

Instructed military, civilian, and international students in Operations Research, covering topics such as Calculus, Probability, Statistics, Data Analysis, Decision Analysis, Simulation, Linear Regression, and Study Methodology.

- Taught eight core Operations Research subjects—prepared 314 next-generation analysts in foundational and advanced analytical methods.
- Developed and taught a Data Analytics course to over 200 military and civilian personnel at nine locations nationwide—focused on descriptive, predictive, and prescriptive analytics.
- Recognized as Distinguished Instructor (2019), ranked in the top 5% of faculty for teaching excellence.

Strategic Assessments Officer | *Strategic Assessments, Pentagon*

May 2016 – Jun 2017

Led a 12-member strategic assessments team supporting Air Force long-range planning and delivering data-driven recommendations to senior leaders.

- Visualized Air Force strategy as a network of 252 objectives—identified key dependencies and risks, improving executive insight and guiding strategic revisions.
- Applied text analytics to senior leader speeches and strategy documents—extracted themes and priorities that shaped Air Force strategic direction.

Senior Decision Analyst | *Analyses, Assessments & Development, Pentagon*

Jan 2013 – May 2016

Led enterprise-level studies and analyses supporting senior Air Force and Department of Defense leadership. Advanced professional development efforts for a 1,100-member analytic community.

- Directed a 35-member policy team; authored enterprise-wide study management policy—providing oversight for a \$140M/year portfolio.
- Automated Air Force sexual assault reporting to the White House—reduced production time by 80% and improved reporting accuracy.
- Developed a forecasting methodology to predict retention of 64K officers by career field—briefed executives, presented at a national conference, and informed the enterprise manpower model.

Air Mobility Analyst | *Analyses, Assessments & Lessons Learned, IL*

Jan 2010 – Jan 2013

Conducted studies and analyses supporting senior Air Force and Department of Defense decisions across the Air Mobility enterprise.

- Developed a logistics simulation model to assess pallet flow into an overseas base during a wartime scenario—applied risk analysis to right-size the \$32M pallet storage system.
- Led an airlift study for a 123-aircraft executive fleet, including the Presidential aircraft—simulation modeling and statistical analysis informed a 20-year strategic roadmap for the \$6B fleet.
- Deployed as Chief of Strategy—provided analytic support to 100 air mobility planners executing airlift, aeromedical evacuation, and airdrop missions in Iraq and Afghanistan.