**BRIAN A. WILKEN, CAP**

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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.

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**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.