

MURAT KOÇAK

muratko357@gmail.com • Groningen, NL

Website: [StarOneDataSolutions.com](https://staronedatasolutions.com) • LinkedIn: [muratko357](https://www.linkedin.com/in/muratko357)

Professional Summary

As a passionate Data Analyst and Business Intelligence Specialist with over 19 years of experience in research and data analysis, I believe that collaboration is the cornerstone of impactful data solutions. By partnering closely with stakeholders, I ensure that every data-driven strategy aligns with organizational goals and delivers measurable results. Holding a PhD in Political Science and specializing in the social and security domains, I bring a unique combination of technical expertise and analytical rigor to solve challenges and drive success.

Key Skills

Analytical Skills: Business Intelligence and Dashboarding, Data Visualization, Exploratory Data Analysis, Causal Inference, Predictive Modeling

Technical Skills: Power BI, Tableau, Excel, DataFlow, BigQuery, Snowflake (Data Warehouse), ArcGIS, SQL, Python, Pandas, Statsmodels, Scikit-Learn, Matplotlib, Seaborn, R, Beautifulsoup, HTML, Google Suite, Microsoft Suite

Languages: English, Dutch, Turkish

Education

Kent State University, Kent, OH, United States – *Doctor of Philosophy, Political Science* **Aug 2005 - Dec 2010**

- Specializations: Public Policy Analysis & Administration, Policies of Criminal Justice
- Key Areas: Research methods and statistical data analysis
- Doctoral Dissertation Title: The application of Q methodology to generate a functional typology of terrorist organizations in Turkey.

Kent State University, Kent, OH, United States – *Master of Arts, Studies of Criminal Justice* **Aug 2005 - Aug 2007**

- Key Areas: Criminological theories and their application to empirical research

Nationale Police Academy, Ankara, Turkey – *Bachelor's Degree, Security Studies* **Jun 1988 - Jun 1992**

- Key Areas: Management and leadership in law enforcement, forensic sciences, and criminology

Data Analytics Certificates

Business Intelligence Professional Certificate , Google	Jun 2024
Data Analyst Professional Certificate , IBM	Okt 2021
Fundamentals of GIS , University of California, Davis	Mar 2021
Deep Learning Specialization , DeepLearning.AI	Mar 2020
Fitting Statistical Models to Data with Python , University of Michigan	Feb 2020
Using Databases with Python , University of Michigan	Okt 2019
SQL for Data Science , University of California, Davis	Okt 2019

Work Experience

Freelance Data Analyst/Founder, StarOne Data Solutions, Groningen, Netherlands **Jul 2024 - Present**

- Providing actionable insights from raw data using BI and data analytics tools such as Python, Excel, Power BI, and Tableau to enhance decision-making efficiency.

Analyst/ Criminologist, Municipality of Eindhoven, Netherlands **Feb 2022 - Feb 2024**

- Research & Data Analysis: In the Intelligence Cluster of the Safety Department, conducted research including literature review, data collection, and in-depth analysis of complex crime and nuisance data. These results led to detailed reports crucial for formulating effective policies and setting up practical local implementation plans.
- Dashboard Development: Designed and implemented advanced dashboards using MS Power BI, providing deep insights into local patterns of crime and nuisance.

- Collaboration: Worked closely with various departments within the municipality to bridge the gap between data and operational needs.

Data & Reporting Analyst Intern, Elsevier B.V., Amsterdam, Netherlands

Oct 2021 - Jan 2022

- Dashboard Development: In the STMJ Data & Analytics Team of the international publishing company, created Tableau dashboards for analyzing large, unexplored datasets. These dashboards revealed valuable business insights and confirmed the data's usability for action-oriented intelligence.
- Data Modeling: Used Snowflake and SQL to import data from the data warehouse and create my own data models.
- Teamwork: Acquired team skills and insights into the publishing world, effectively applying my analytical skills in an international environment.

Safety & Security Advisor, CARE International, Gaziantep, Turkey

Jul 2016 - Dec 2016

- Data Collection, Analysis & Monitoring: Collected and analyzed qualitative and quantitative safety-and-security (SS) data from open sources to monitor events such as the civil war, terrorist incidents, and policy changes affecting safety in Turkey and Syria. Conducted extensive analyses of regional data, providing insights critical for strategic and operational decision-making in the NGO's humanitarian efforts supporting Syrian refugees.
- Risk Assessment & Mitigation Plans: Led comprehensive risk assessments, developed effective mitigation strategies, and regularly updated the organization's SS management plans to align with evolving threats and challenges.
- Partnerships & Information Sharing: Established and maintained partnerships with other NGOs and organizations to enhance information exchange and collaboration on safety.
- Real-time Advisory: Provided real-time recommendations to stakeholders and management to keep safety and security of personnel, programs, and facilities of the organization.

Lecturer, Police Vocational College, Istanbul, Turkey

Jul 2014 - Apr 2015

- Lectured on police responsibilities and the use of force, emphasizing data-driven approaches.

Senior Safety and Security Advisor, Embassy of the Republic of Turkey, Baku, Azerbaijan **May 2013 - May 2014**

- Collected and analyzed data from open sources on safety and security incidents and political changes, providing proactive insights and detailed reports to improve the safety of organizations and critical infrastructure, including cross-border oil pipelines between Azerbaijan and Turkey

Head of Child Police, Istanbul Police Department, Turkey

Jul 2010 - May 2013

- Management: Led a multidisciplinary team of over 100 officers, including investigators, psychologists, and social workers, specializing in investigations involving children within the legal system, particularly child abuse and missing children.
- Data-driven Strategies: Developed and implemented data-driven strategies that significantly increased solved missing child cases and bolstered child protection protocols throughout Istanbul.
- Collaboration: Fostered collaboration with other police units, government agencies, municipalities, universities, and NGOs, creating a more secure environment for children in the city.
- Lecturer at the Police College: In addition to my main position, I taught police officers and students about criminological theories and contemporary approaches to policing and crime prevention.

Publications

AMBER alert, Thousand Oaks, CA: SAGE Publications, Inc.

Sep 2014

In L. Cousins (Ed.), Encyclopedia of human services and diversity. (Vol. 1, pp. 79-81)

Domestic migration in the Republic of Turkey: Issues influencing resettlement policy, Open Journal of Social Science Research, 1(2), 31-41

Jan 2013

Co-authors: Ozguler, M., Kocak M., Fleisher M. S., & Jefferis E.

Threat assessment of terrorist organizations: The application of Q methodology, Journal of Risk Research, 15(1), 85-105

Sep 2011

The application of Q methodology to generate a functional typology of terrorist organizations in Turkey, Kent State University, doctoral dissertation

Dec 2010

Probability of hostage fatality in hostage-taking terrorism: Negotiation option and characteristics of negotiators, Amsterdam: IOS Press

Jan 2007

In O. Nikbay & S. Hancerli (Eds.), Understanding and responding to the terrorism phenomenon: A multi-dimensional perspective (pp. 180-194)