

CORPORATE CAPABILITIES STATEMENT

Maxarth provides criminal justice related data science services to governmental agencies, educational institutions, research centers, international organizations, professional associations, non-profit organizations, for-profit companies and private individuals. We deliver creative data and analytical solutions for challenging real-world problems or opportunities.

Mission: To provide criminal justice clients with the actionable knowledge and practical tools that better equip them to make choices with confidence.

Differentiators:

- Employ modern data science tools.
- Synthesize all available evidence.
- Devise creative solutions.
- Deliver practical data products.

Services: Maxarth staff collaborates with a multi-disciplinary network of partners from around the nation. We combine our skills, knowledge, and experience with subject matter experts to conduct relevant and reliable analysis. Our services include:

- *Data Synthesis and Management*—we synthesize information from a variety of data sources; create simulation and optimization tools; and design synthetic decision support systems.
- *Predictive Analysis*—we design and undertake risk or needs assessment & validation studies; model, trace, and predict risk trajectories; and generate short-, medium-, or long-term forecasts.
- *Evaluation and Prescriptive Analysis*—we evaluate programs, policies, and practices; undertake experimental or quasi-experimental studies; devise micro-simulation tools; and conduct counterfactual policy simulations.
- *Capacity Building*—we train clients on the appropriate use of empirical evidence; how to recover robust information from transactional data; practical ways to devise and utilize simulation tools; and to appreciate the powers and limitations of data science.

Past and Current Clients:

- *Government*—U.S. Department of Justice, Court Services and Offender Supervision Agency for the District of Columbia, and Pretrial Services Agency for the District of Columbia.
- *Educational Institutions*—Georgetown University; George Mason University; American University; University of Maryland; State University of New York; Florida State University; and Temple University.
- *Research Organizations*—Pew Charitable Trusts; Urban Institute; ICF International; RTI International; Center for Education and the Workforce; Center for Advancing Correctional Excellence; Pretrial Justice Institute; and National Center for State Courts.

Sample Past Performance:

- *CSOSA:* The Court Services and Offender Supervision Agency for the District of Columbia has contracted with Maxarth to validate and deploy Auto Screener—a state of the art risk and needs assessment software for managing probation and parole populations in the District of Columbia. Maxarth has undertaken numerous such efforts around the nation.
- *DCPSA:* Maxarth has developed and validated a risk assessment tool for the District of Columbia Pretrial Services Agency. Maxarth is currently assisting DCPSA develop and implement risk-based supervision strategies, assisting the agency respond optimally to defendant conduct while on supervision.
- *USDQJ:* Maxarth president served as a Visiting Fellow at the Bureau of Justice Statistics (U.S. Department of Justice). He brought together data from a diverse array of federal criminal justice agencies and developed data products designed to study dependencies within and across stages of the federal criminal justice system and predict population dynamics.
- *PEW:* The Pew Charitable Trusts contracted with Maxarth to evaluate a number of its Justice Reinvestment Initiatives implemented in several states. Maxarth also developed an innovative simulation model to help Pew quantify the public safety implications of diverting low-risk offenders away from prison toward community-based sanctions. Maxarth assisted PEW conduct similar analysis of probation populations.
- *GMU:* Maxarth partners with the Center for Advancing Correctional Excellence (ACE) at George Mason University to develop an innovative data product that powers an online decision support tool for managing correctional populations.

Corporate Data:

<i>Registered Name:</i>	Maxarth LLC
<i>DUNS Number:</i>	829885289
<i>Year Formed:</i>	2008
<i>State of Incorporation:</i>	Maryland
<i>Certification:</i>	SBA 8(a) Maryland MBE/DBE/SBE Virginia Swam/DBE

North American Industry Classification System (NAICS)

541511	Custom Computer Programming Services
541720	R&D in Social Sciences and Humanities
541611	Administrative Management & General Management Consulting Services
518210	Data Processing Hosting & Related Services

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