Benchmark's Toolkit for Managing Your Agency with Data Science

Using Data Science to Improve Law Enforcement Management

"With data science, we're able to better understand what's happening with an individual officer and intervene sooner."

Key Takeaways:

1. If you've ever received a fraud alert for your credit card or purchased a recommended product online, you've had first-hand experienced with the power of data science.

2. Benchmark's platform allows law enforcement leaders to know sooner, and with greater accuracy, if an officer is at greater risk to have adverse experiences with your community.

3. Using sole-source, nationally recognized models from the University of Chicago, Benchmark analyzes more than 1500 variables to identify behavior risks and recommendations for your officers.

Additional Resources:

- The Center for Data Science and Public Policy at the University of Chicago
  https://dsapp.uchicago.edu/
- "How to Do Data Analytics in Government"
  https://www.govtech.com/data/How-to-Do-Data-Analytics-in-Government.html
- "Bias Detectives: The Researchers Striving to Make Algorithms Fair"
  https://www.nature.com/articles/d41586-018-05469-3

The Benchmark Research Consortium

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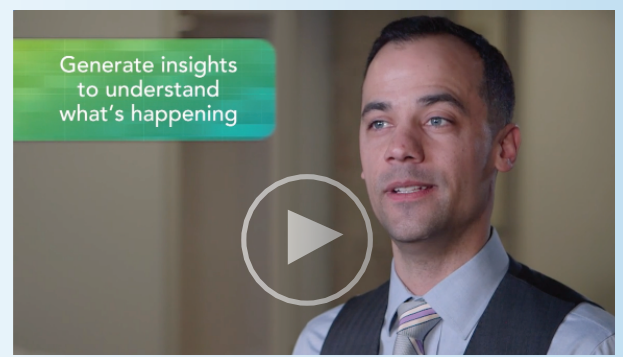
Key Takeaways:

1. Chaired by the University of Chicago, the Benchmark Research Consortium consists of specialists representing diverse fields like public policy, machine learning, data science, and policing.

2. Its sole purpose is identifying ways to capture, analyze, and understand data which is then used to develop advanced police force management technology.

3. The Consortium's work allows Benchmark's platform to identify what's going on with a particular officer, and what specific intervention can help them stay on-track.

Additional Resources:

- Charlotte-Mecklenburg Goes Live with the Chicago Model for Early Intervention Systems - https://www.wccbcharlotte.com/2018/03/21/cmpd-using-new-data-analytics-system-predict-officer-behavior/
- "5 Ways Law Enforcement Can Use People Data" https://blog.benchmark analytics.com/5-ways-law-enforcement-can-use-people-data
- People Data: What It Is and How Police Departments Can Use It
  https://blog.benchmarkanalytics.com/people-analytics-what-it-is-and-how-police-chiefs-can-use-it

The Power of Data in Police Force Management

"If we're trying to change the way we operate, data helps us understand whether or not those changes are working."

Key Takeaways:

1. All day, the devices we use and processes we follow generate data that allows us to develop insights and understand what's happening to drive our overall behavior, the choices we make, and how those choices affect the world around us.

2. Data helps us change by alerting us to whether or not a new approach is working, and gives us an idea of which path forward will be most successful; University of Chicago's models reduce an agency's false positives by 75%.

3. Benchmark's platform analyzes historical data derived from an agency's Internal Affairs complaints, use-of-force reports, CAD and RMS systems.

Additional Resources:

- "Why and How (Most) Police Departments Should Go Paperless"
  https://blog.benchmarkanalytics.com/why-most-police-departments-should-go-paperless
- "Data Never Sleeps 6" https://www.domo.com/learn/data-never-sleeps-6