Make Data Quality a Top Priority

In today's rapidly changing policy environment, organizations develop policies and make decisions based on data. To make citizen-centric, evidence-based policy decisions, organizations need to be sure they have data that are of the highest caliber—accurate, reliable, accessible, and statistically and methodologically sound. Otherwise, policies may not be as beneficial for the public good as predicted.

With Mathematica guiding you from the start, you'll know more before you move. And when you do move, we'll be right there providing confidence and clarity every step of the way.

Our highly skilled data scientists are able to objectively and scientifically evaluate your data. No matter the form, we can parse your data, suggest improvements, and work with you to identify and solve your data quality issues. With our help, you can shift your attention to more pressing business needs; save time, effort, and money; and achieve long-lasting positive change for your organization.

Reliable, rigorous, real-world solutions for complex problems worth solving. We've helped our clients:

Create data quality scoring models

Mathematica is developing a state data quality scoring model to help stakeholders understand the quality of the data and how it varies across states and over time. This model will produce a scorecard that will rank states on key data elements and will allow states to compare the quality of their data to other states, track their progress, and develop and prioritize improvement activities.

Test electronic quality measures

Mathematica conducted rigorous and extensive testing of the electronic health record (EHR) system for Centers for Medicare & Medicaid (CMS) and other clients to ensure the data element collected accurately captured the target clinical information.

Understand the effects of attrition in survey data

Mathematica linked Social Security Administration (SSA) earnings and benefit data to initial Census Bureau survey respondents and compared trends in these variables to the trends observed for respondents who remained in the sample for the entire duration of the survey. Our results gave SSA researchers confidence that they could rely on the estimates from their linked data after accounting for some minor limitations we identified.

Let's Progress Together. Contact Fei Xing at fxing@mathematica-mpr.com or Dmitriy Poznyak at dpoznyak@mathematica-mpr.com for more information.