



Data Science and Statistical Modeling

Integrated Analytical and Data Science Expertise

Our consultants provide relevant intelligence and strategic insights derived from large, diverse, and complex datasets to our clients. By combining rigorous analytical methods, experience, and expertise with artificial intelligence (AI), machine learning (ML), natural language processing (NLP), and other data science technologies, we extract key data points and develop precise and actionable analyses.

Our versatile, global team develops client-specific solutions

We do not believe in one-size-fits-all approaches – we employ sophisticated data engineering and analytical methods to provide customized, focused analyses and tools. We develop solutions for each engagement without reinventing the wheel, so clients benefit from greater efficiencies and cost-effectiveness while enjoying custom analyses. We serve many types of clients, including:

- Technology businesses
- Regulatory bodies
- Government agencies
- Pharmaceutical manufacturers
- Hospital systems
- Energy companies
- Banking and financial services firms
- Litigators

Our integrated approach provides clients with practical real-world analyses

Analysis Group's expertise is based on advanced technical capability in data science, combined with proven analytical and methodological approaches and strategies. Our in-house consultants collaborate with an extensive network of affiliated experts from various industries and academia. Our data scientists and consultants provide practical results that help inform our clients' business, policy, or legal strategies.

We deliver relevant, reliable answers to address critical questions and provide strategic insights

Our teams draw on academic rigor and practical experience in data science to build business models and decision tools for use in industries including pharmaceuticals, technology, automotive manufacturing, and entertainment and sports, as well as in highly technical and data-intensive litigation cases. Here are a few of the ways our teams and affiliated experts have provided data science technologies, analytics, and expertise in numerous successful engagements:

- Used predictive analytics to help forecast the market demand for new products or features and/or the success of marketing campaigns
- Identified relationships between stock returns and various factors to develop stock-picking strategies
- Predicted the likelihood that patents will survive challenges
- Assessed consumer perceptions of product quality and at-issue characteristics
- Assessed values of patent portfolios
- Classified and prioritized massive datasets of varying document types
- Estimated damages in competition and antitrust litigation matters
- Mapped customer data consolidated during merger reviews

We convey key elements of our analyses in clear language with user-friendly tools such as custom dashboards, interactive platforms, web applications, and models. These make it easier to visualize potential benefits and drawbacks, which can strengthen impact and aid in making fact-based decisions.

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About Analysis Group

Analysis Group is one of the largest international economics consulting firms, with more than 1,000 professionals across 14 offices in North America, Europe, and Asia. Since 1981, we have provided expertise in economics, finance, health care analytics, and strategy to top law firms, Fortune Global 500 companies, and government agencies worldwide. Our internal experts, together with our network of affiliated experts from academia, industry, and government, offer our clients exceptional breadth and depth of expertise.

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