



Disputes and Investigations: Data Analytics

Duff & Phelps' Data Analytics team analyzes large-scale, complex data that is in structured and unstructured formats. Our experienced team applies analytical techniques and methodologies to extract the salient points from data so that you can make informed, data-driven decisions.

We validate, synthesize, and distill large collections of data, allowing you to focus on meaning rather than mechanics, on insights rather than details. We test your hypotheses, suggest new hypotheses, and interrogate the data for your specific needs.

Duff & Phelps' Data Analytics team supports engagements in the context of:

- Fraud Investigations
- Healthcare Investigations
- Financial Transactions and Trading Inquiries
- Complex Commercial Damage Calculations

How We Can Help:

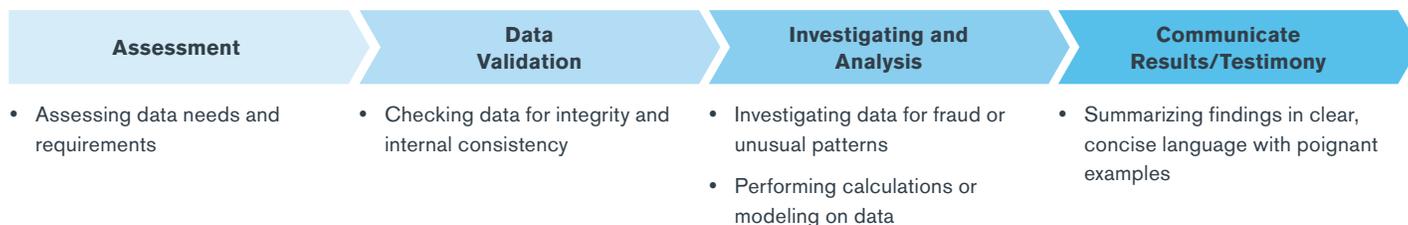
1. Assess data needs for engagements
2. Profile the data landscape and identify anomalies and outliers
3. Develop computer programs to perform complex analysis on data, such as modeling or damage calculations
4. Investigate data for fraud, noncompliance, or unusual behavior

Our Team

Our team consists of mathematicians, algorithm developers, and programmers with strong technical backgrounds who have honed their analytical skills in a variety of industries, such as aerospace, banking, and market research.

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Assistance through all phases of litigation and investigations:



Select Engagements

Client: Financial Trading Exchange

Problem: Client suspected trading behavior, which was not compliant with Federal trading regulations.

Solution: Duff & Phelps was retained to search through more than one billion rows of trading data to identify specific behavioral patterns that might indicate attempts to evade and deceive. The data analytics team developed an in-house customized SQL program to find examples of the suspect behavior, which were then presented and highlighted to the client.

Client: Large Organization with Billion-Dollar Healthcare Budget

Problem: Client observed unusually high healthcare costs amongst members, but could not identify the source.

Solution: Duff & Phelps examined an extensive database of health insurance claims in search of possible fraud and irregularities. Possible fraud was considered at every level, including medical provider fraud, payment irregularities on the part of the insurance company, and systematic abuse by participants.

Client: Class-Action Lawsuit

Problem: Expert witness for a multibillion-dollar class-action lawsuit requested detailed, transaction-level support for calculating damages.

Solution: The Duff & Phelps data analytics team applied complex damage calculation models to 100 million individual records. Data consisted of transactions spanning over eight years, which required multiple iterations of cleaning and refinement before they could be used.

Client: Private Equity Firm

Problem: A private equity firm in the final stages of making an acquisition began to suspect the presence of accounting irregularities.

Solution: The Duff & Phelps data analytics team was brought in to support a team of forensic accountants. The team created links between several collections of accounting tables in order to establish a profile of obfuscation and evasion.

For more information please visit:

www.duffandphelps.com

About Duff & Phelps

Duff & Phelps is the premier global valuation and corporate finance advisor with expertise in complex valuation, dispute and legal management consulting, M&A, restructuring, and compliance and regulatory consulting. The firm's more than 2,000 employees serve a diverse range of clients from offices around the world.

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