

Designing a Predictive Coding System for Electronic Discovery

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Not long ago, the concept of using predictive coding and other technologies to assist with the electronic discovery process seemed revolutionary. *Da Silva Moore* and *Global Aerospace* stand as the first major cases where judges strongly supported predictive coding.¹⁻² A recent Indiana case recognized it as a useful method for reducing the amount of potentially relevant evidence that has to be searched and culled.³ Within just a few short years, using predictive coding as part of an electronic discovery process is now considered acceptable and perhaps even expected. It is not difficult to appreciate the advantages of predictive coding and its superiority over a manual process at various steps of electronic discovery, particularly during the review step.⁴⁻¹¹ However, questions still remain about the efficacy of the predictive coding process and the tools that are available.¹²⁻¹³ Because the use of predictive coding systems in law is still in its infancy, it presents us with an opportunity to design something that will not only take advantage of the power of big data and computational algorithms, but that will also incorporate design and usability principles to provide an attractive and easy-to-use interface for lawyers to interact with. Predictive coding uses natural language processing and other mathematical models to enhance search results, but the essence of these systems is that they actually learn and the precision of the retrieval improves as additional collections of evidence are entered. Behind-the-scenes will be a repository where all of the evidence for a case resides. Our system will assist the lawyers in reducing the time and cost of an electronic discovery process as well as minimize the chances for mistakes in determining which evidence is relevant to a case and which evidence can be withheld under attorney-client privilege, as attorney work-product or another confidentiality doctrine.

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