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CASE STUDY

DSi Pilot Program: Comparing Catalyst Insight Predict with Linear Review

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Catalyst Insight Predict Case Study

DSi Pilot Program: Comparing Insight Predict with Linear Review

Challenge: Can Technology Assisted Review (TAR) actually reduce review time and save money?

Solution: DSi and the law firm test TAR versus linear review through systematic sampling and analyze the results during a TAR pilot on an important case.

A large, national healthcare company faced a government inquiry that required a timely response. When counsel and the company began surveying the data, they quickly realized that the case would involve a large volume of data given the length of the time frame involved and the large number of custodians. The legal team started by gathering documents and emails from 20 custodians for the period between January 2006 and December 2012.

Using Advanced Search with Catalyst Insight to Cull the Data

The company collected documents from servers and network stores at multiple locations as well as from their email archival system. As collection continued, it became obvious that there would be far more data than originally estimated. The original estimate of 200 GB quickly grew to more than 500 GB, which could easily represent more than 5 million files.

DSi and the law firm started the process by focusing on two of the primary custodians. They developed effective keyword searches based on DSi's proprietary iterative search and sampling techniques. They then used Catalyst Insight's PowerSearch utility to test the terms and to create detailed reports for search term analysis. After evaluating the results from those reports, they adapted the key terms to optimize results.

By using the sampling and search reports, the legal team was able to work with the government to further define the scope of the inquiry and was able to build a list of effective key terms. As a result of this process, the team reduced the initial document set by over 90 percent. Even with this reduction, the legal team still needed to perform a linear and time-consuming review for the remaining volume of data.

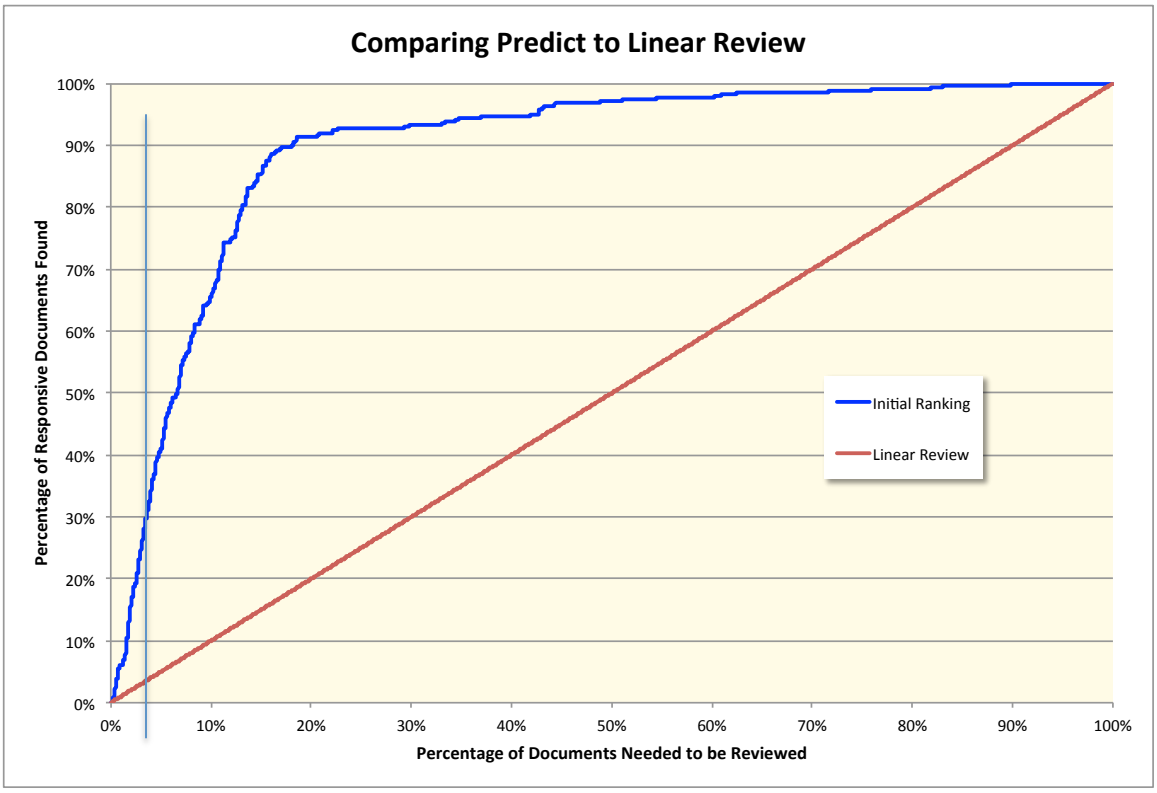
The Pilot: Using Insight Predict to Improve on Linear Review

DSi suggested that the firm could reduce its review further by using Insight Predict, Catalyst's integrated TAR application. Predict uses sophisticated mathematical algorithms to analyze seed documents tagged by counsel and find other similar documents.

Through an iterative process, Predict presents additional documents for tagging and ranks the document population in order of its likely relevance to the review. The end result is that counsel reviews document in order of importance, which translates to quicker review of fewer documents. In most cases, the lower-ranked documents can be disregarded without need for human review.

In this case, the legal team had already reviewed a substantial number of documents based on the results of their keyword searches. DSi used 300 of the positively tagged documents as initial seeds for the pilot program. After inputting the seeds, DSi invoked Predict's ranking algorithm to rank the entire document population in order of likely relevance. After doing so, they reviewed a systematic sample of the documents and generated a yield curve to test the ranking.

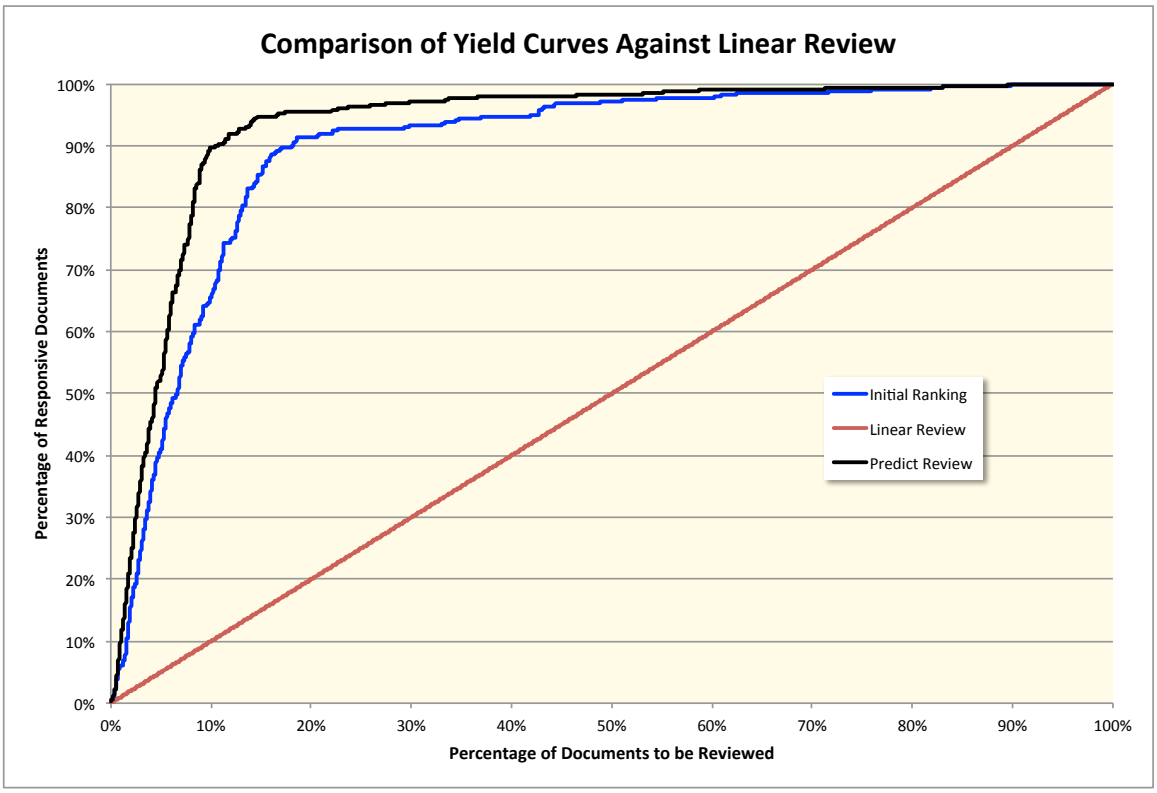
The initial yield curve looked like this:



The red line represents a linear review. To find all of the responsive documents, the team would have been required to review the entire population (100 percent).

The blue line represents a ranked review using Predict's initial ranking curve. It suggests that the review team could have found 80 percent of the responsive documents through the review of about 13 percent of the total population. This represented a substantial savings over the cost of reviewing the entire population.

After conducting a systematic sample and generating the initial yield curve, the DSi team decided to use the systematic sample documents as additional seeds to see if it improved the yield curve. They did so and generated an even better yield curve.



The new black line represents the enhanced yield curve, generated simply by adding more seed samples to the system. In this case, the review team could have found 80 percent of the responsive documents after review of 8 percent of the total document population. In comparison, linear review would have found 80 percent of the responsive documents after reviewing 80 percent of the total document population, a potential 72 percent workload reduction by Insight Predict.

All parties involved concluded that the pilot project was a success. The law firm plans to apply the knowledge gained from the process of using Insight Predict to the rest of the data corpus, saving them the time and money on attorney review for the rest of the custodians.

Summary

In this pilot comparison of linear review versus Insight Predict to evaluate the savings possible in a large case by using a Technology Assisted Review product, we learned that Catalyst Insight Predict dramatically reduced, by 72 percent, the number of documents that needed to be reviewed. Insight Predict reduced workload and increased performance, yielding both time and cost savings.

About DSi

Serving law firms and corporate legal departments worldwide since 1999, DSi is a litigation support services company that provides a wide variety of eDiscovery and digital forensics services. Through five core business processes—DSicollect, DSintake, DSinsight, DSireview, DSisupport—DSi's highly trained staff will help you harness today's most forward technology to gain a competitive advantage. DSi is headquartered in Nashville, Tenn. and also has offices in Knoxville, Tenn., Cincinnati, Ohio, Charlotte, N.C., Austin, Texas, Minneapolis, Minn., Philadelphia, Pa. and Washington D.C.

About Catalyst Repository Systems

Founded in 2000, Catalyst is a leader in delivering secure, cloud-based e-discovery software for corporations and law firms. Catalyst simplifies the e-discovery process in response to litigation, regulatory inquiries and internal investigations by ensuring repeatable, defensible and measurable business processes that significantly reduce cost, risk and time. The Catalyst Insight e-discovery platform and Insight Predict enable customers to succeed with a single matter and seamlessly migrate to multi-matter discovery within the same software platform. A pioneer in the use of global language e-discovery, advanced search and analytics methodologies, predictive ranking and big data e-discovery, Catalyst has served many of the largest companies and law firms in the world. For more information, please visit Catalyst at www.catalystsecure.com or follow us on Twitter at: @CatalystSecure.