

20 Most Promising Data Analytics Solution Providers - 2018

Companies are often coming up with creative ways to enhance customer experience. Thus, adaptation to the staggering amount of data accumulation has provided the academic and the economy with unprecedented knowledge of population patterns. But the data accretion is vast in its quantitative measures and is susceptible to duplications, glitches, and factual errors. Additionally, on the qualitative front, the talent required for data clearing is scarce in their availability along with the upsurge in the use of storage space. Security is another major issue for data mining companies as big data is often vulnerable to cyber breaches, ethical hacking, and malware attacks that lead to loss of trust in data.

As 2018 commences, companies are far more motivated to adopt ambitious analytics trends to amplify the worth of web experience in day-to-day lives. Small and medium-sized companies are increasingly more enthusiastic about reaping the benefits of data analytics and are willing to outsource

their analytics requirement to data companies specializing in it. Down the line, this year EU General Data Protection Regulation will come into effect and open up new opportunities for data scientists to explore.

In conclusion, the data analytics landscape is flooded with myriad solutions and thus zeroing in on the apt one remains an uphill task for a CIO. To tread on the right path, CIOReview Magazine has become the torch bearer in the data analytics landscape. Our distinguished selection panel, comprising CEOs, CIOs, VCs, industry analysts and the editorial board of CIOReview Magazine narrowed the excellent providers that exhibit competence in delivering data analytics solutions.

We have considered the vendor's ability in building solutions and services that can effectively yet economically account for advanced and effective data analytics offerings, keeping in mind the factor of time-focused delivery. We present to you CIOReview's "20 Most Promising Data Analytics Solution Providers - 2018."



Company:
HALvia

Description:
With the HALvia platform, hospitals can boost infection control by scrutinizing aspects such as room maintenance, ES personnel, and disinfecting procedures

Key Person:
David Wilson
Founder & CEO

Website:
haivia.com

HALvia Pioneering in HAI Prevention

Even as analytics continues to disrupt the healthcare arena by providing insights that were previously invisible, some facets of the technology are still overlooked and undervalued. Largely untapped by hospitals' environmental service (ES) and infection prevention (IP) data. On the other hand, healthcare-associated infections (HAIs) have emerged as one of the significant risks associated with hospitalization. A staggering 1.8 million people per year are exposed to some kind of an infection during their hospital stay, and an estimated 271 people die from them daily. In addition to being a huge financial burden for hospitals (over \$28 billion annually), HAIs also drastically impact hospital acquired condition (HAC) scores that can lead to CMS reimbursement penalties (approximately \$1.5 billion for FY 2016).

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Arizona-based HALvia—'via' implies visual analytics—addresses this looming predicament by offering all-round analysis and visibility into infection prevention, ES, facilities management, training, and federal CMS data.

By leveraging the HALvia platform, hospitals can boost infection control by scrutinizing aspects such as hand hygiene, room maintenance, ES personnel, and disinfecting procedures. Additionally, the platform enables hospitals to detect where employees need training and can assign it accordingly. “Our uniqueness is providing healthcare clients a hands-on environment where we assess their data and present them with a working prototype very quickly. This enables our clients to visualize their data and work with us through the discovery and user interface phase leading to a solution that helps make their everyday decision-making more efficient and well informed. Oftentimes, spreadsheets are all they have to work with; HALvia provides drill downs and intelligent tiles that summarize unique metrics while allowing easy point-and-click navigation into more detailed data views” says David Wilson, the founder and CEO of HALvia.

The HALvia platform was initially developed for a global ES provider that deployed it to over 500 hospitals. The platform brought together disjointed data from over a dozen different sources to provided actionable data for each level of management. This provided insights into managers' competencies, data reporting compliance and adherence to HAI mitigation procedures. This visibility into the hospitals' HAI control performance presented actionable items to assign further training, provide simpler reporting methods and more ES oversight to alleviate HAIs.

In addition to analytics, it incorporated a system with an online training curriculum and competency assessment. HALvia provided an easy-to-use LMS interface that was customized to the client's requirements and integrated with the HAI Analytics dashboard. The hospital



HR staff was able to improve outcomes by focusing on the infection prevention training courses provided by the ES Company.

HALvia's roadmap looks promising with three novel initiatives in the pipeline. The company plans to integrate CAD floor plans into the platform to track room activity from the growing list of data-enabled disinfecting devices like UV robots or mobile auditing apps. They are adding ROI and HAC predictor tools to help C-level executive's better plan for reducing HAIs and understand the treatment and reimbursement costs associated with them. With hospital reimbursement methodologies undergoing major changes by the government, this will help them identify areas of focus to eliminate the 1-2 percent penalty they can realize. Finally, the company is looking to tap into the potential of blockchain infrastructures like Ethereum. “We are looking to incorporate blockchain, to take advantage of its trustworthiness and smart contracts in a decentralized platform to help save lives affected by HAI's” concludes David. CR