



RADICALLY HUMAN: CIO ANOMALY DETECTION SOLUTION VIGNETTE

VIDEO TRANSCRIPT

Accenture processes approximately 25 million expense lines a year. And as Accenture continues to grow, so too will this number.

We saw that we needed a better way to address the high volume of expenses reported that trigger as false positives.

A great deal of these cases are ultimately compliant. But reaching that outcome uses the time of our Compliance Team inefficiently.

So we worked together with a team from the business to develop an anomaly detection solution for Accenture's expense reporting system to augment our existing rule-based system ...

... what we consider a radically human system because it's empowering a human-machine relationship.

[PAUSE]

At Accenture, every expense report gets analyzed by a manually designed rules-based system to check for expense compliance.

These systems—while effective at detecting known and recurring patterns of non-compliance—often return exceptionally high numbers of false positive alerts along with other shortcomings.

We created an AI solution that more accurately identifies non-compliant expenses and reduces false positives.

It also more easily identifies non-compliant behaviors with hidden patterns that are difficult for human auditors to identify.

We developed a deep-learning algorithm that ingests historical expense, time charge, and location data.

It's an intelligent, unsupervised solution that observes the data itself ... rather than just the flags identified by the rules ... to detect outliers in the data.

It does this by detecting hidden patterns in the data and co-evolves with the behavior of the employees, rather than the rules.

[PAUSE]

Our solution augments our teams with artificial intelligence to better and more accurately find anomalies and non-compliant business behaviors that are going unflagged.

Notably, it ensures good citizenship around compliance and has reduced the amount of time auditors spend on cases.



Initial results have shown a 30 percent success rate of identifying transactions to be questioned.

Human-generated rules and models generated by human and machines can work hand in hand to make work flow more human-centric than machine-centric.

Radically human systems talk, listen, see, and understand just like we do, bringing simplicity to every human-machine interaction so it can be more intelligent and less artificial.

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