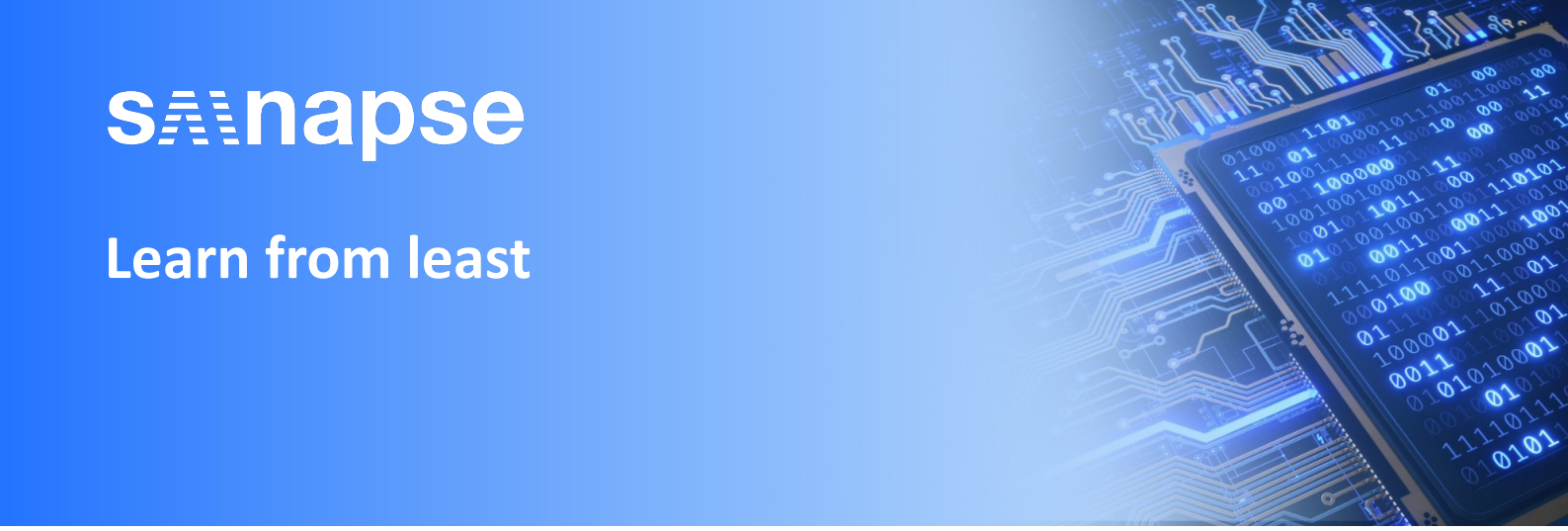
sainapse

Learn from least



AI systems typically require large volumes of clean and labeled data, which is often an impediment to their effectiveness. 'Learn from Least' design principle ensures Sainapse delivers high accuracy with less than 10% of training data required by comparable products.

Status Quo

While AI/ML solutions have held the promise of transforming both quality and efficiency of support operations, their effectiveness has lagged the promise. To deliver to their potential, ML solutions are typically data hungry, require very large quanta of training data.

Additionally, this training data needs to be curated, which means deploying large teams of expensive consultants and data scientists to label and tag the training data to be useful for inferencing and prediction with acceptable levels of accuracy.

Bridging the Gaps

Most of the data generated by an enterprise is noise for the specific issue that is being solved by ML.

The real art in machine learning is the derivation of the minimum sufficient statistic that defines the distribution of the function without having to store each individual data point with all its dimensions.

The Sainapse Edge

Sainapse is powered by a patented multifield distance function including an indexing algorithm. This function autonomously identifies which subset of the data is most relevant to learn from as well as uses appropriate parameters to do this most efficiently. Secondly, it reduces the number of dimensions in the data without compromising the system's accuracy.

Sainapse trains with as few as 5,000 records and 25 documents and is therefore super-focused and custom-built for problem-solving by classifying issues, recommending resolutions, and triggering downstream actions.

What it means for you

- Deliver industry-beating accuracy with least quantum of training data
- Deploy in days without need for data cleansing
- Get a unified view of multi-source, multi-dimension data