

Who's gonna care/use it?

Semiconductors manufacturer are always fighting to have cutting edge products that are more reliable than any competition, but sorting through all of the data on wafers takes time

Why is this superior to any other options

Therefore an automated system that when given a heatmap can group wafers based on similar anomalies and patterns could allow a manufacturer to innovate faster

Simplify

This will allow manufacturers, leaders and engineers to skip the step of finding these patterns within the huge datasets

Why is it better(more)

Our model will use unsupervised learning, theoretically recognizing patterns that most humans would have overlooked. This is one of the first steps in completely automating the improvements of semiconductors.

How will things change(plans)

Here in the next few months we will train a model that can find patterns it was trained on within new data and find new patterns when trained on new data.

Mission(summarize in 2 sentences)

So, we hope to improve the innovation of semiconductors through cutting edge technology, putting our client a step ahead of competition by giving them access to quick analysis of their data.