



Phastar Case Study



'It was useful to gain input and insight from a different perspective. The Ishango team provided interesting ideas and solutions for the problem.'

"The data scientists were engaged and enthusiastic from the start of the project, explaining their ideas and asking some challenging, insightful questions throughout which was great."

Jennifer Bradford
Lead Data Scientist

The Client

Phastar is a global contract research organisation (CRO) that provides statistical consulting, analysis, reporting, clinical data management, and data science services to biotechnology, pharmaceutical, and medical companies. They ensure the quality and integrity of data, subject to regulatory inspection.

Project Brief

Coding verbatim medical terms is highly time-consuming for Phastar analysts. Ishango.ai fellows were tasked with developing an automated Natural Language Processing (NLP) solution to identify and recommend the most similar Low-Level Terms (LLTs) for every verbatim term.

Project Outcome

The key outcome of this project was the deployment of a deep learning transformer model (S-BERT) that improved the matching accuracy of verbatim medical terms to a standardized dictionary of terms from the previous 60% to 90%. This automated solution freed up a significant amount of time for Phastar analysts to focus on other value-add work.