2022
AI Studio Challenge Examples

Company Type	Challenge Summary
Consulting	Using NLP techniques, analyze open-source Twitter data to identify public reaction and sentiment around a product release
Telecommunications	Forecast where population growth in the United States will occur, which can help inform where additional network coverage and capacity will be needed
AI Technology	Using a pre-trained language model, automatically compose messages to assist customers - which can help reduce the cognitive load and time required of customer service agents
Financial Services	Using NLP techniques, extract keywords from news articles to discover the common theme amongst a group of companies - and generate a paragraph based on these keywords - which can help inform traders

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Consulting	Suggest optimal location placement for Electric Vehicle (EV) charging stations in the Dallas, TX area, given EV demand and other factors
Geospatial Analytics	Using satellite imagery and geospatial data, predict dwell times of ships heading to Shanghai during and outside of typhoon season - which is a supply chain insight that can help businesses be more informed about when shipments will arrive
Pharmaceutical	Leveraging Natural Image Processing and Natural Language Processing in conjunction with clustering techniques, understand patterns in patients' lungs who have been diagnosed with COVID-19 to help create a predictive algorithm for future COVID-19 detection

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Healthcare Technology	Using NLP techniques, create a machine learning algorithm that is able to redact Protected Health Information (PHI) and Personal Identifiable Information (PII) from medical documents (such as surgical reports, x-rays, and EKGs)
Non-Profit	Use tabular email data to predict which of the organization's supporters are likely to convert to donors - which can help inform the creation of more targeted marketing campaigns
Consulting	Suggest 3 optimal locations for where the company should open a new office location (e.g., to serve existing clients and explore new client opportunities)