



AI Studio Challenge Examples

Company Type	Challenge Summary
Weather Forecasting	Predict sales performance for a restaurant using weather data
Financial Services	Predict call volumes at the company's call centers
AI Technology	Make it easier for customers to get help without typing each word (in the company's customer service messaging software), and faster for agents to help the customer
Financial Services	Aggregate and simplify financial offers on websites or through downloaded text so that consumers can weed out marketing jargon, avoid hidden fees, and make more educated credit and banking decisions
Technology	Explore an application of ML with 2 or more minority serving institutions to promote academic success with historically marginalized student groups



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Financial Services	Predict a short squeeze by calculating sentiment for public companies over time
Pharmaceutical	Propose improvements/recommendations to the company on how to be proactive in reducing employee turnover and identifying interventions when there is a risk
Non-Profit	Predict website visits and fundraising revenue based on keywords in organic media
Telecommunications	Predict prospective customers by using social media data and network outages data



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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)