



## Conversational Explanations

What is your area of expertise/domain?

Data Science

Please rate your skillset level:

Data Analysis

Excellent

None

Excellent

Machine Learning

Good

None

Excellent

Statistics

Good

None

Excellent

Healthcare

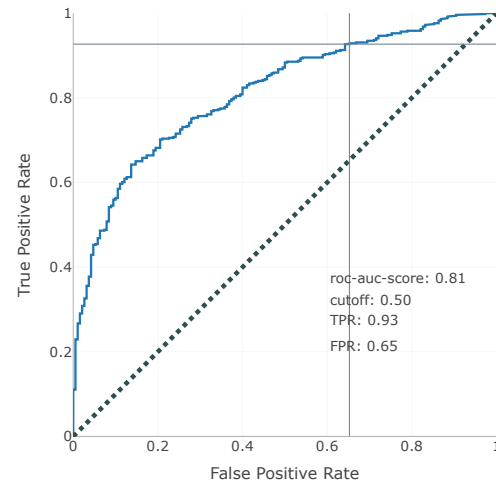
None

None

Excellent

Henry El-Jawhari, 2025

ROC AUC CURVE

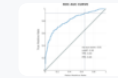


Select the LLM you want to use:

Gemini



Explain this plot to me



The plot is a Receiver Operating Characteristic (ROC) curve, which is used to evaluate the performance and quality of the AI system.

The ROC curve plots the True Positive Rate (TPR) against the False Positive Rate (FPR) at various threshold settings. TPR measures the proportion of actual positives that are correctly identified as such. FPR measures the proportion of actual negatives that are incorrectly identified as positives.

The dotted diagonal line represents a random classifier; a model that performs no better than chance. The blue curve represents the performance of our AI system. The further the curve is from the diagonal line, the better the model is at distinguishing between the positive and negative classes.

The Area Under the Curve (AUC) is a summary statistic of the ROC curve. It represents the probability that the model will rank a randomly chosen positive instance higher than a randomly chosen negative instance. The AUC score of 0.81 indicates that the model has a good ability to discriminate between people who will and will not get the COVID-19 vaccine.



Ask me a question!



Large language models can make mistakes. Please verify information before you make decisions.

Export