

AutoML Jupyter

Faster ML Development, Powered by PaLM

Problem Statement

Many ML researchers are unhappy with their development process.

Coding from scratch is laborious since the process for developing and testing new models is largely the same each time

BUT

No-code and low-code platforms do not provide enough granularity to tweak models, loss functions, and training processes

Status Quo

Most ML researchers experiment in Jupyter notebooks. They are quick, composable, and easy to present.

However, even with the help of LLMs,

- Copy-pasting code between web-interfaces and notebooks is slow
- Errors in generated code are difficult to detect and fix
- Writing the appropriate prompt to generate correct boilerplate code is still repetitive

Our Solution

AutoML Jupyter

A VSCode-PaLM integration that allows developers to build, train, test, and measure models directly from their notebooks. It also fixes errors automatically.

Demo

Link: <https://www.loom.com/share/e5852beae56d42d3922b79db9b4ba615?sid=8216fbb5-f722-443a-af7a-1e6710d63d23>

