



CrazyTrain

FLEXIBLE FRAMEWORK

Deep Analysis, Zero Complexity



Build. Manage.
Scale.



What's CrazyTrain

CrazyTrain is a flexible framework that helps teams easily build, manage, and scale complex machine learning and data driven projects.

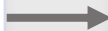
This automated setup allows your team to focus on getting actual results and answering questions, rather than fighting with rigid tools and messy configurations.



Why CrazyTrain

WITHOUT CrazyTrain

- ✗ Repetitive programming
- ✗ Complexity of software development
- ✗ Difficulty with code usability and model deployment



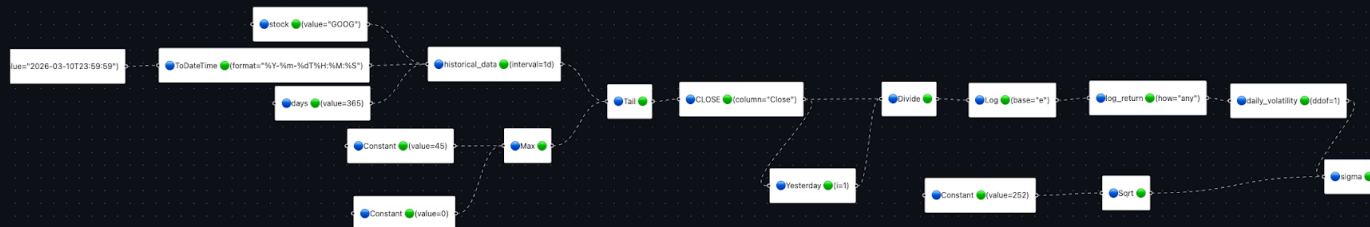
WITH CrazyTrain

- ✓ Organizing tasks into simple, connectable blocks – “wagons”
- ✓ Provided with libraries of pre-built wagons for data import, data processing, filtering and modelling.
- ✓ Automatic code generation in Python

Graph Example

CrazyTrain Graph Editor

Graph Editor Results



Application Example

01



INTEGRATE MODELS

Combine surrogate, data driven and first principles models into detailed simulations across diverse disciplines: aerodynamics, propulsion, structures and materials within a single MDO framework.

02



DEFINE THE DOE

Specify design parameters and their limits, along with varied operational scenarios. E.g., Speed profiles, mission and design parameters.

03



RUN OPTIMIZATION

Optimization algorithms explore thousands of configurations along the DOE Track, iteratively converging toward the optimal design. Optimized results are presented in an interactive report with optimization metrics

DOE TRACK → ITERATIVE SEARCH FOR OPTIMAL DESIGN

