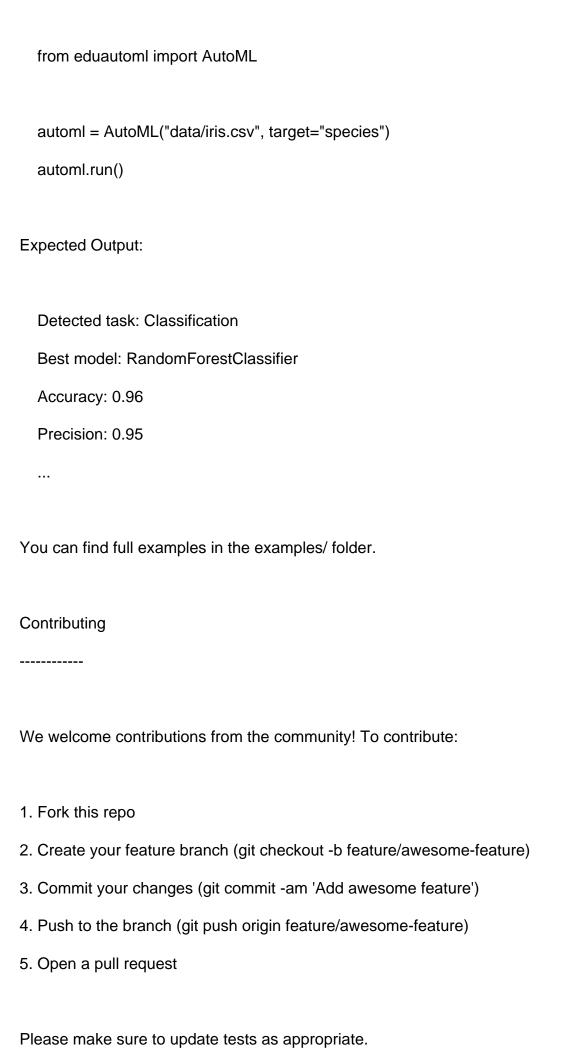
eduAutoML
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[DvD] version]/https://badge.furv.io/pv/educutem]
[PyPI version](https://badge.fury.io/py/eduautoml)
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eduAutoML is a beginner-friendly AutoML wrapper built for students, educators, and early-stage
machine learning practitioners.
It simplifies the ML pipeline by automating task detection (classification/regression), preprocessing,
model selection, training, and evaluation - all with a single command.
What is eduAutoML?
This tool automatically:
- Detects your ML problem type (classification or regression)
- Preprocesses data (handle missing values, encode categories, scale features)
- Selects and trains appropriate models
- Evaluates and displays performance metrics
- (Coming Soon) Provides a Gradio-based GUI for a no-code interface
Ideal for:
- AI & Data Science students
- ML beginners

- Hackathon prototypes
- Teaching automation in ML
Installation
Install via pip:
pip install eduautoml
CLI Usage
Once installed, run from terminal:
Once installed, full from terminal.
advantami run fila path/ta/vaur/data agy target TargetColumnName
eduautoml runfile path/to/your/data.csvtarget TargetColumnName
Example:
eduautoml runfile data/iris.csvtarget species
Available CLI options:
file Path to input CSV file
target Name of target/output column
test-size Proportion of test split (default=0.2)
model Optional: force model type (e.g., 'logistic', 'tree')

GUI Usage (Coming Soon)

A user-friendly Gradio GUI is being developed to allow drag-and-drop CSV uploads, configuration,
and visual model evaluation - with zero code.
To launch:
eduautoml gui
Stay tuned for updates and screenshots.
Features
- Auto task detection (classification/regression)
- Automated preprocessing
- Smart model selection and training
- Performance evaluation with clear metrics
- Model export (upcoming)
- Gradio GUI (coming soon)
- Sample datasets for learning
Examples



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For suggestions, feedback, or collaboration opportunities, feel free to connect via C	SitHub

Discussions or raise an issue.