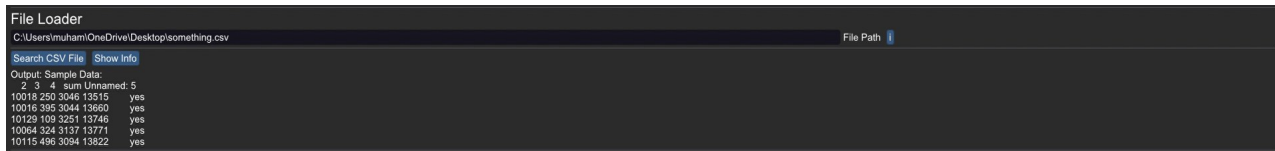


How to Use ML BUILDER TOOLKIT

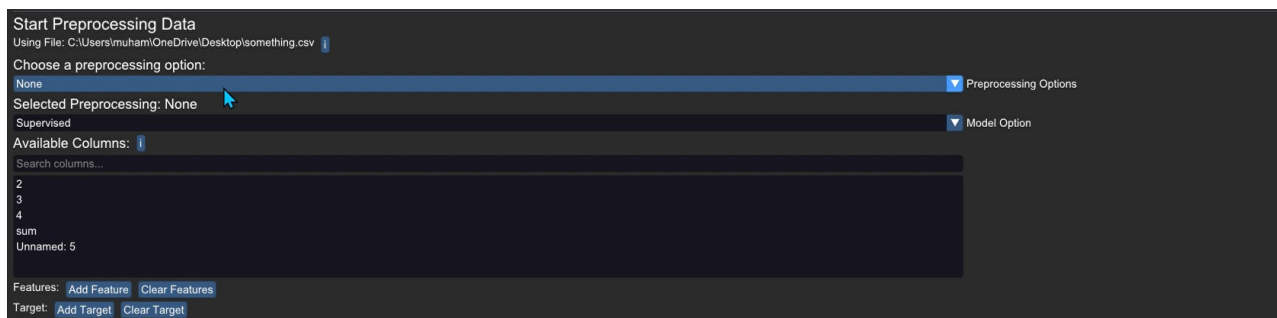
File Loader



- Click **“Search CSV”** to open a file dialog.
- Choose your CSV file — a small sample will display in the app.
- Click **“Show Info”** to see a brief summary of the dataset.
- To view the full CSV, use the **“CSV Window”** in the top menu.

Preprocessing

- Select preprocessing options:
 - Generate new columns (math operations)
 - Remove columns



- Normalization (Min-Max, Z-Score, Robust)
- Label Encoding
- One-Hot Encoding
- Handle missing values (fill with mean, mode, median, or remove rows)
- How to apply:
 - Use the drop-down to choose an operation.
 - Mark the columns you want.
 - Click **“Apply Operation”** at the bottom.

Main Window	CSV Window	Metrics Window	Logs				
0	1	2	3	4	5	6	7
2	3	4	sum	Unnamed: 5	Unnamed: 5_label_enco	Unnamed: 5_No	Unnamed: 5_yes
10018	250	3046	13515	yes	0	0	1
10016	395	3044	13660	yes	0	0	1
10129	109	3251	13746	yes	0	0	1
10064	324	3137	13771	yes	0	0	1
10115	496	3094	13822	yes	0	0	1
10187	166	3068	13827	yes	0	0	1
10252	172	3062	13947	yes	0	0	1
10192	144	3469	13963	yes	0	0	1
10370	230	3223	13985	yes	0	0	1
10092	626	3083	13995	yes	0	0	1
10404	137	3029	13997	yes	0	0	1
10203	411	3257	14022	yes	0	0	1
10074	432	3246	14090	yes	0	0	1
10403	257	3073	14095	yes	0	0	1
10451	336	3238	14133	yes	0	0	1
10005	302	3516	14138	yes	0	0	1
10289	629	3040	14161	yes	0	0	1
10308	199	3426	14212	yes	0	0	1
10198	233	3665	14216	yes	0	0	1
10176	717	3079	14218	yes	0	0	1
10232	659	3106	14222	yes	0	0	1
10167	538	3426	14246	yes	0	0	1
10057	475	3253	14282	yes	0	0	1
10284	512	3044	14289	yes	0	0	1
10127	140	3742	14298	yes	0	0	1
10555	178	3272	14318	yes	0	0	1
10126	272	3518	14327	yes	0	0	1
10665	246	3195	14350	yes	0	0	1
10080	401	3642	14351	yes	0	0	1
10452	603	3024	14353	yes	0	0	1
10026	139	3927	14358	yes	0	0	1
10143	255	3746	14371	yes	0	0	1
10565	113	3497	14392	yes	0	0	1
10062	722	3288	14396	yes	0	0	1
10243	307	3706	14416	yes	0	0	1
10495	459	3273	14429	yes	0	0	1
10150	477	3397	14450	yes	0	0	1
10394	142	3732	14453	yes	0	0	1
10017	436	3761	14472	yes	0	0	1
10379	251	3607	14482	yes	0	0	1
10529	114	3700	14487	yes	0	0	1
10215	255	3761	14541	yes	0	0	1
10202	412	3803	14560	yes	0	0	1
10603	313	3476	14569	yes	0	0	1
10806	388	3224	14598	yes	0	0	1
10329	973	3078	14610	yes	0	0	1

- Note: You can also apply preprocessing in the CSV Window sidebar.

Feature & Target Selection

- Click the column you want as a feature or target.
- Use “Add Feature” or “Add Target” to assign.
- For **unsupervised models**, only features are required (no target).

Model Training

Model Training

Enter Test Split (e.g., 0.2 for 20%):
0.200

Test Split

Set Test Split

Enter Random Seed:
42

+ Random Seed

Set Random Seed

Select Model
SVM

Model Options

Run Model

Export Model

Accuracy

Precision

Recall

F1 Score

Show Metrics Graph

Enter The Values of Your Features

0.000

0.000

0.000

2 Feature 0

3 Feature 1

4 Feature 2

- Default **train-test split** is 20% with random seed 42.
 - Select your model from the drop-down.
 - Click “**Run Model**” to train.
- Model list
- Regression:
- Linear Regression

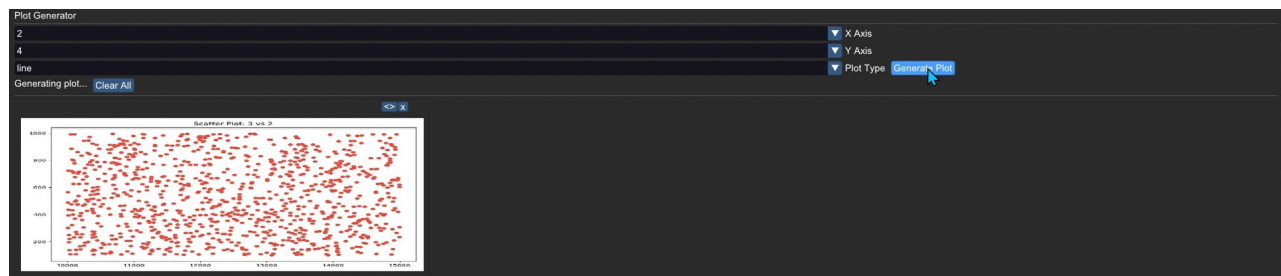
- KnnRegression
- SVC
- Ridge

Classification:

SVM, Decision Tree, Random Forest, Logistic Regression, GaussianNB, KneighborsClassifier

- View metrics, export the model, and make predictions:
 - In the **Prediction Window**, input values for each feature.
 - Click **“Predict”** to see the result.

Metrics & Plotting




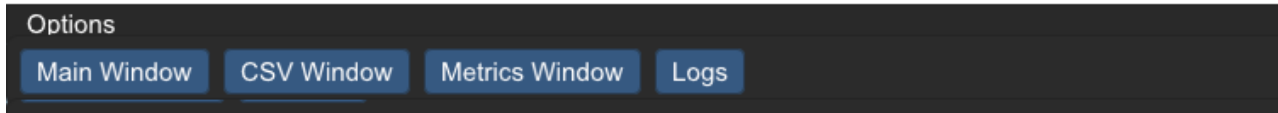
- Use the **Metrics Window** to visualize results:
 - Select X-axis, Y-axis, and plot type from the drop-downs.
 - Click **“Generate Plot”** to create a mini plot window.
 - Maximize plots with the <> button.
- After training, you can generate plots comparing true vs. predicted values.

Logs

- The **Logs Window** shows everything that happens behind the scenes.
- If an error occurs, save the logs and send them with a description of the issue.

Options

 NoCodeML Window



- Top-right **Options** menu:
 - **Save Project**
 - **Load project**
 - **Export as Code** (planned for future versions)
-

Tips

- Always save your project before exiting (save prompt coming in v1.2!).
- Some operations write files — ensure you run with proper permissions.