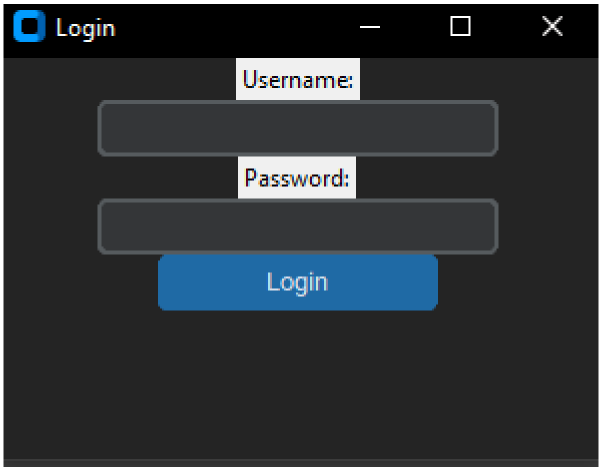
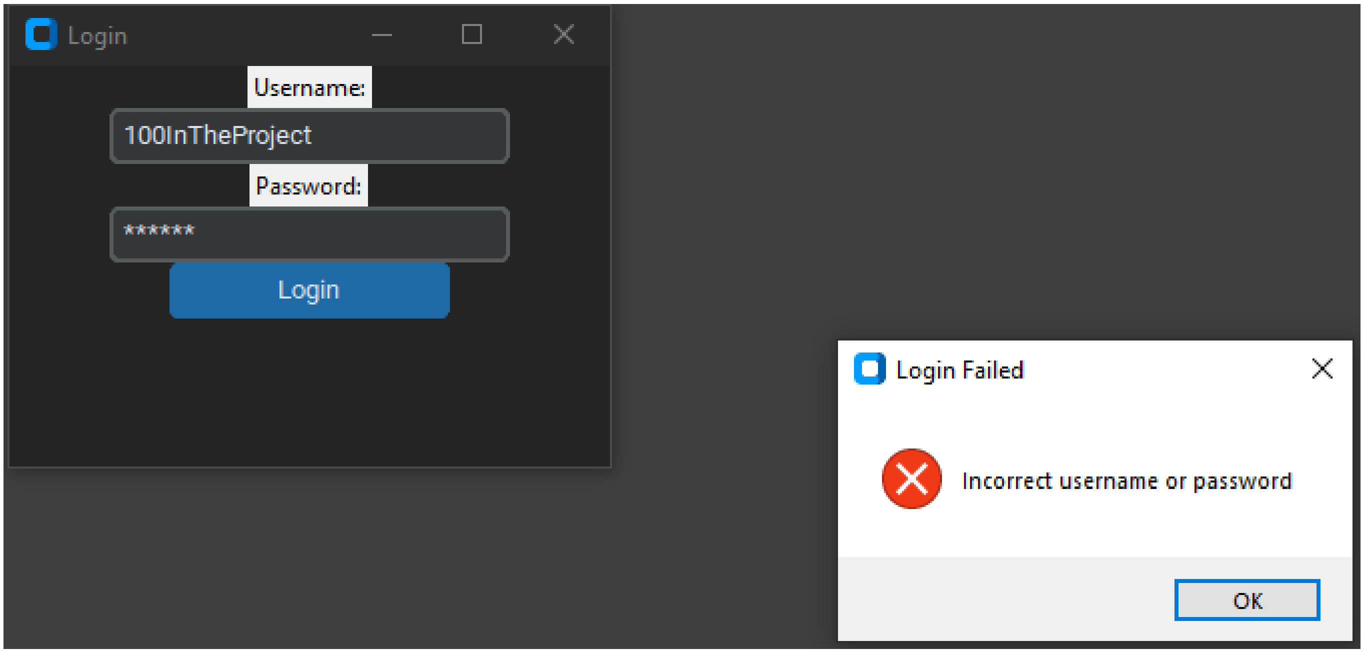

Login
Username:
Password:
Login


Login
Username:

100InTheProject

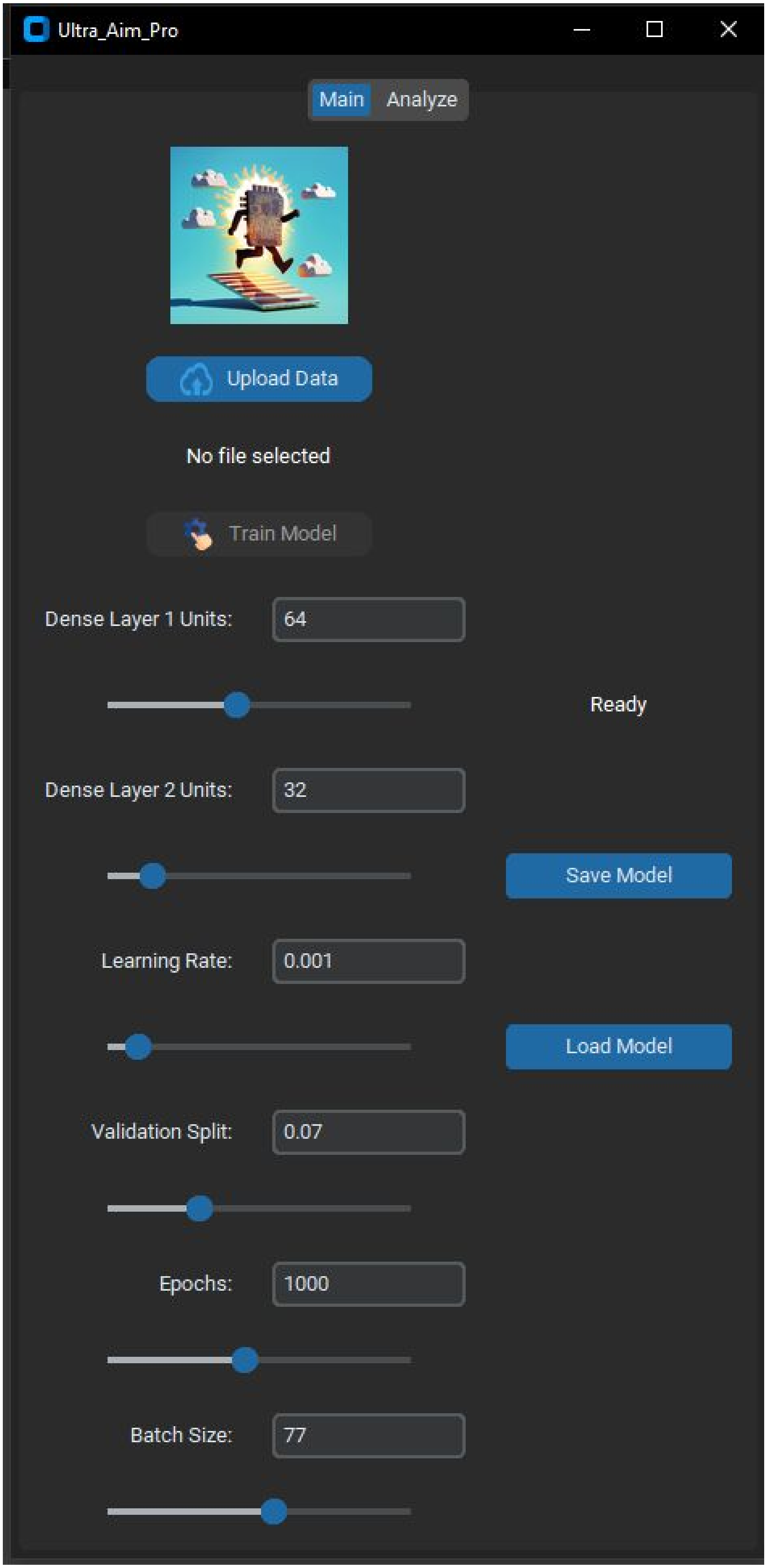
Password:

******

Login
Login Failed

Incorrect username or password

OK


Ultra_Aim_Pro
Main
Analyze
Upload Data
Train Model
Ready
Save Model
Load Model

No file selected

Dense Layer 1 Units: 64

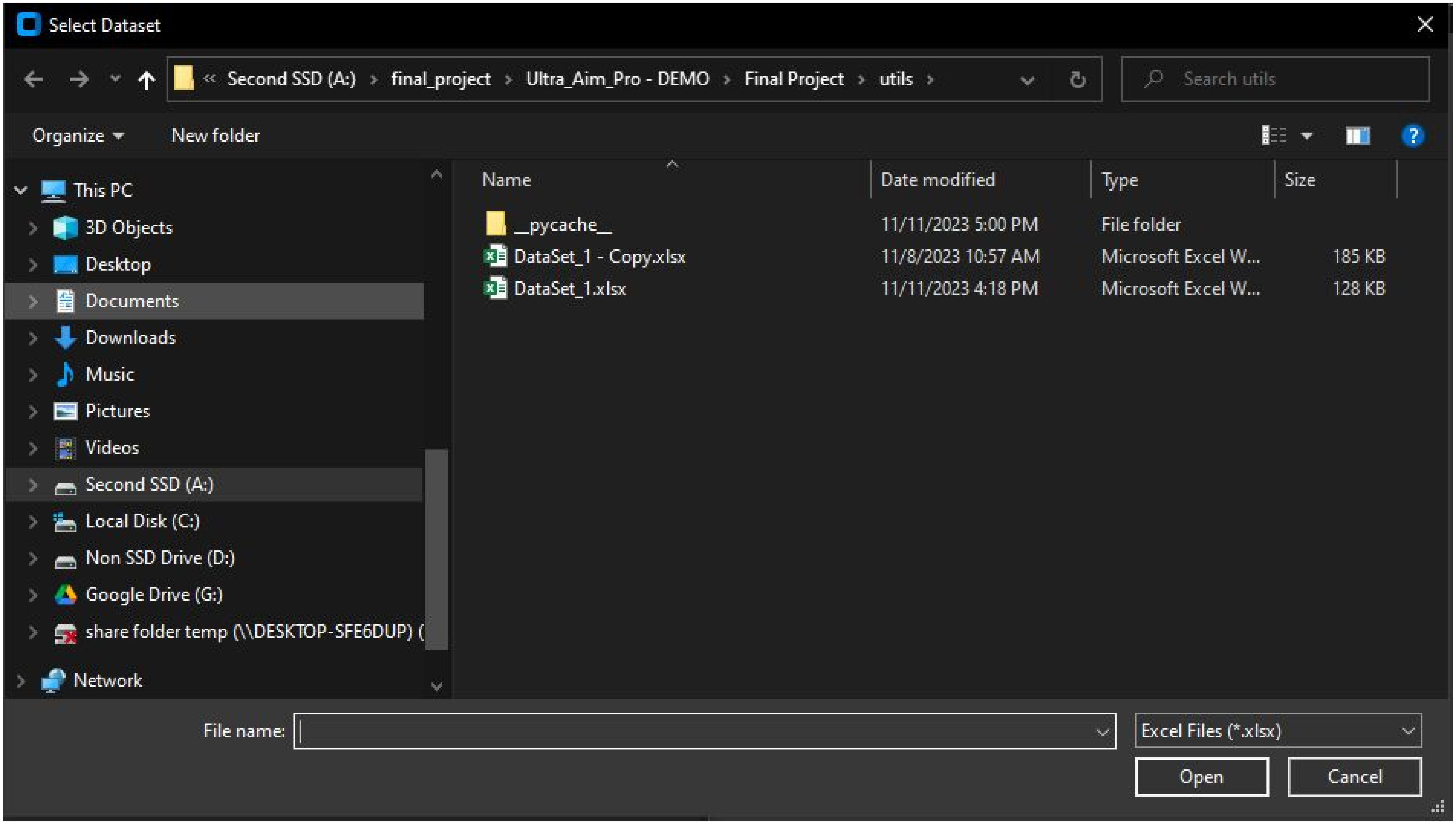
Dense Layer 2 Units: 32

Learning Rate: 0.001

Validation Split: 0.07

Epochs: 1000

Batch Size: 77

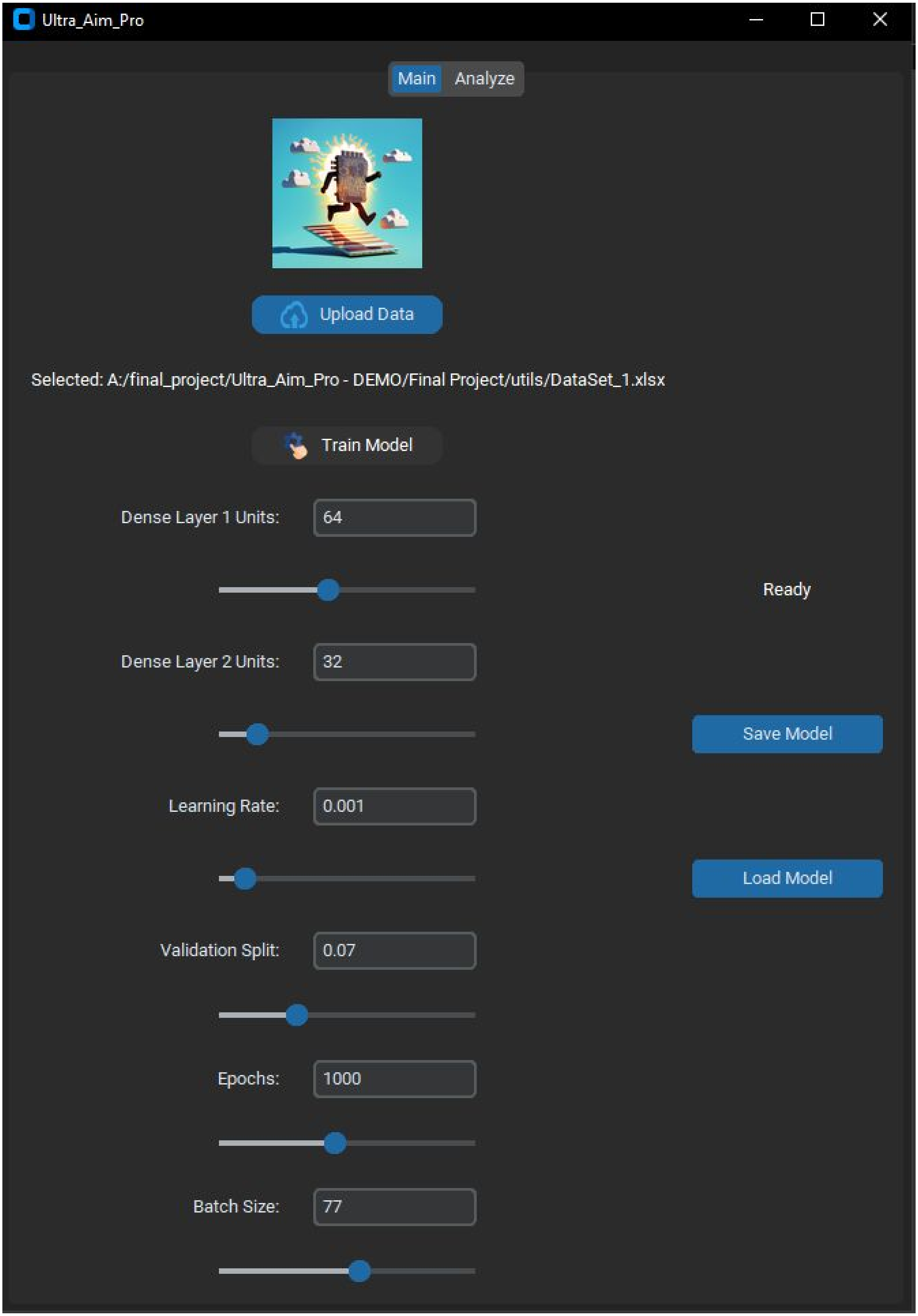

Select Dataset
Search utils
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Second SSD (A:)
Local Disk (C:)
Non SSD Drive (D:)
Google Drive (G:)
share folder temp (\\DESKTOP-SFE6DUP) (
Network
Open
Cancel

« Second SSD (A:) › final_project › Ultra_Aim_Pro - DEMO › Final Project › utils ›

Name	Date modified	Type	Size
__pycache__	11/11/2023 5:00 PM	File folder	
DataSet_1 - Copy.xlsx	11/8/2023 10:57 AM	Microsoft Excel W...	185 KB
DataSet_1.xlsx	11/11/2023 4:18 PM	Microsoft Excel W...	128 KB

File name:

Excel Files (*.xlsx)


Ultra_Aim_Pro
Main
Analyze
Upload Data
Train Model
Save Model
Load Model

Selected: A:/final_project/Ultra_Aim_Pro - DEMO/Final Project/utils/DataSet_1.xlsx

Dense Layer 1 Units: 64

Ready

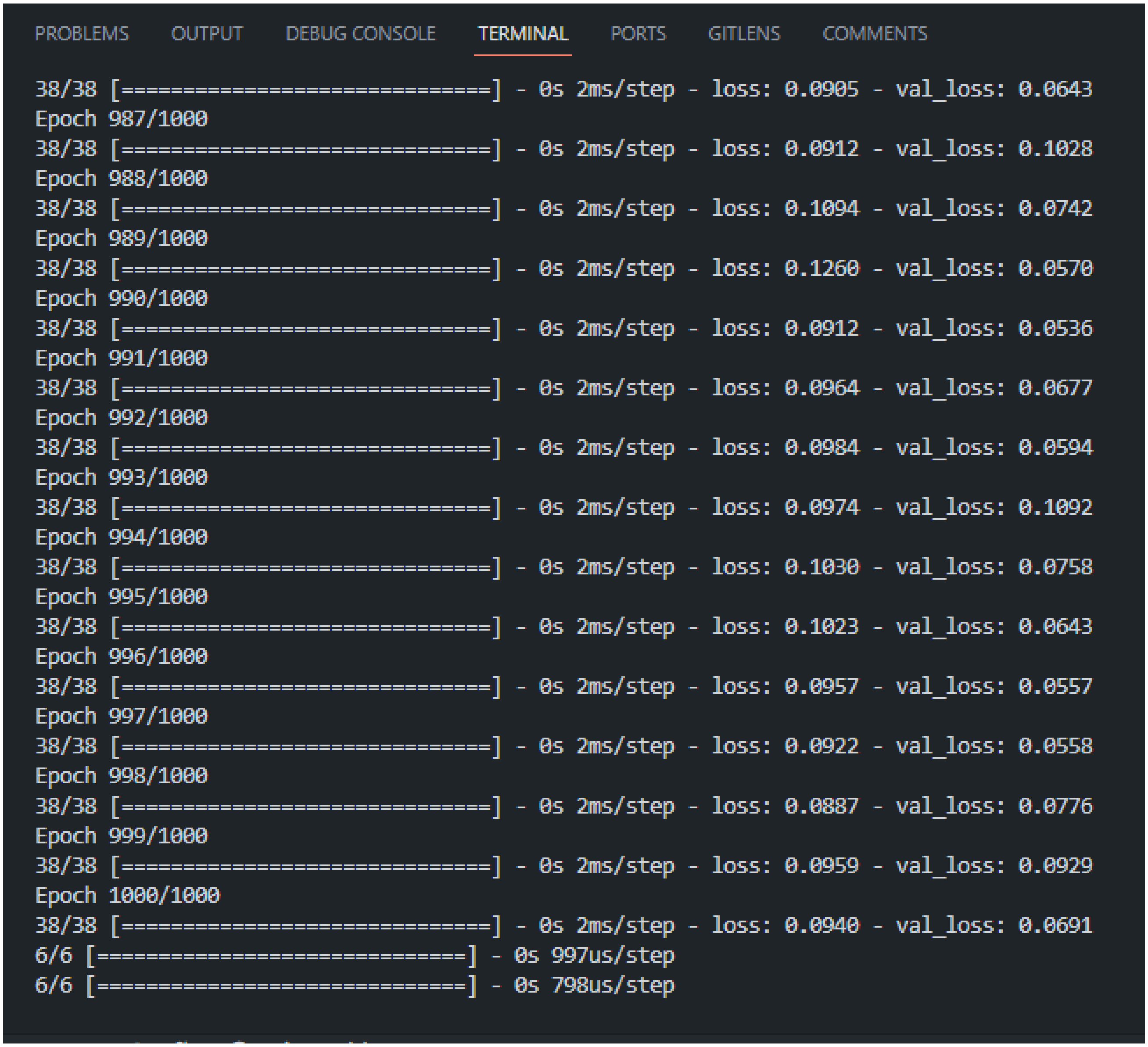
Dense Layer 2 Units: 32

Learning Rate: 0.001

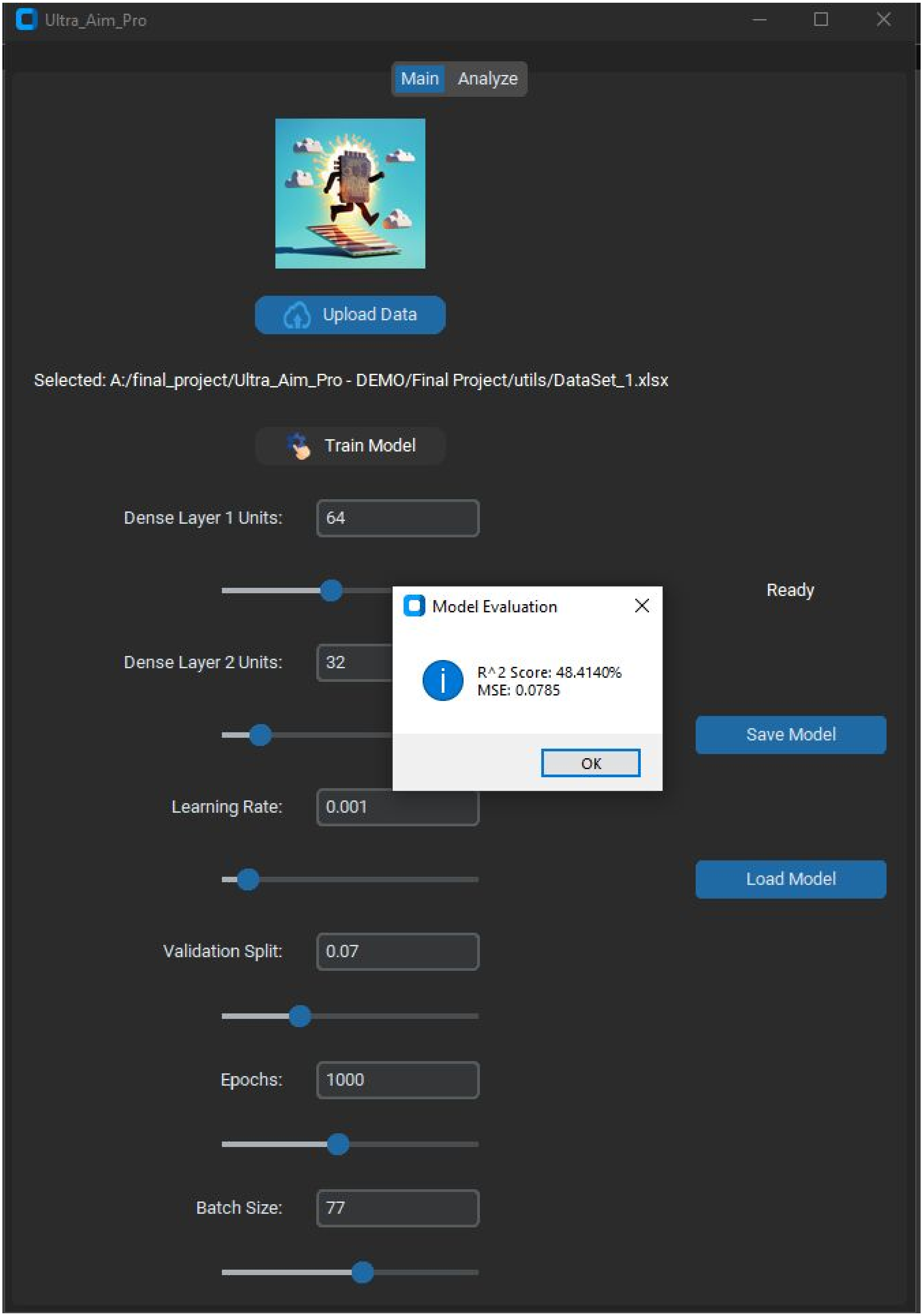
Validation Split: 0.07

Epochs: 1000

Batch Size: 77



```
38/38 [==============================] - 0s 2ms/step - loss: 0.0905 - val_loss: 0.0643
Epoch 987/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0912 - val_loss: 0.1028
Epoch 988/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.1094 - val_loss: 0.0742
Epoch 989/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.1260 - val_loss: 0.0570
Epoch 990/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0912 - val_loss: 0.0536
Epoch 991/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0964 - val_loss: 0.0677
Epoch 992/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0984 - val_loss: 0.0594
Epoch 993/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0974 - val_loss: 0.1092
Epoch 994/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.1030 - val_loss: 0.0758
Epoch 995/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.1023 - val_loss: 0.0643
Epoch 996/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0957 - val_loss: 0.0557
Epoch 997/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0922 - val_loss: 0.0558
Epoch 998/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0887 - val_loss: 0.0776
Epoch 999/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0959 - val_loss: 0.0929
Epoch 1000/1000
38/38 [==============================] - 0s 2ms/step - loss: 0.0940 - val_loss: 0.0691
6/6 [==============================] - 0s 997us/step
6/6 [==============================] - 0s 798us/step
```


Ultra_Aim_Pro
Main
Analyze
Upload Data
Train Model
Save Model
Load Model
OK

Selected: A:/final_project/Ultra_Aim_Pro - DEMO/Final Project/utils/DataSet_1.xlsx

Dense Layer 1 Units: 64

Dense Layer 2 Units: 32

Learning Rate: 0.001

Validation Split: 0.07

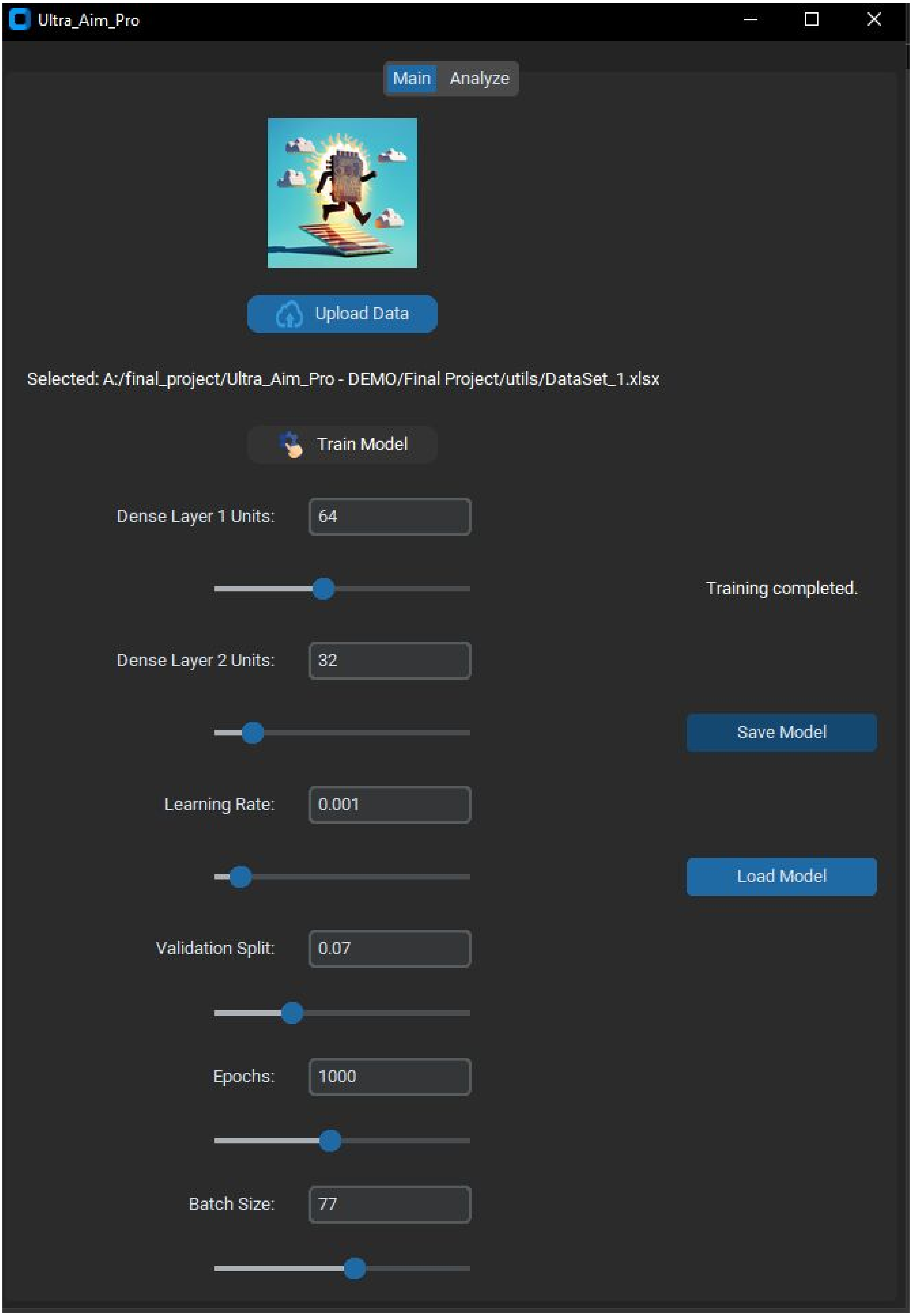
Epochs: 1000

Batch Size: 77

Ready

Model Evaluation

R^2 Score: 48.4140%
MSE: 0.0785


Ultra_Aim_Pro
Main
Analyze
Upload Data
Train Model
Save Model
Load Model

Selected: A:/final_project/Ultra_Aim_Pro - DEMO/Final Project/utils/DataSet_1.xlsx

Dense Layer 1 Units: 64

Training completed.

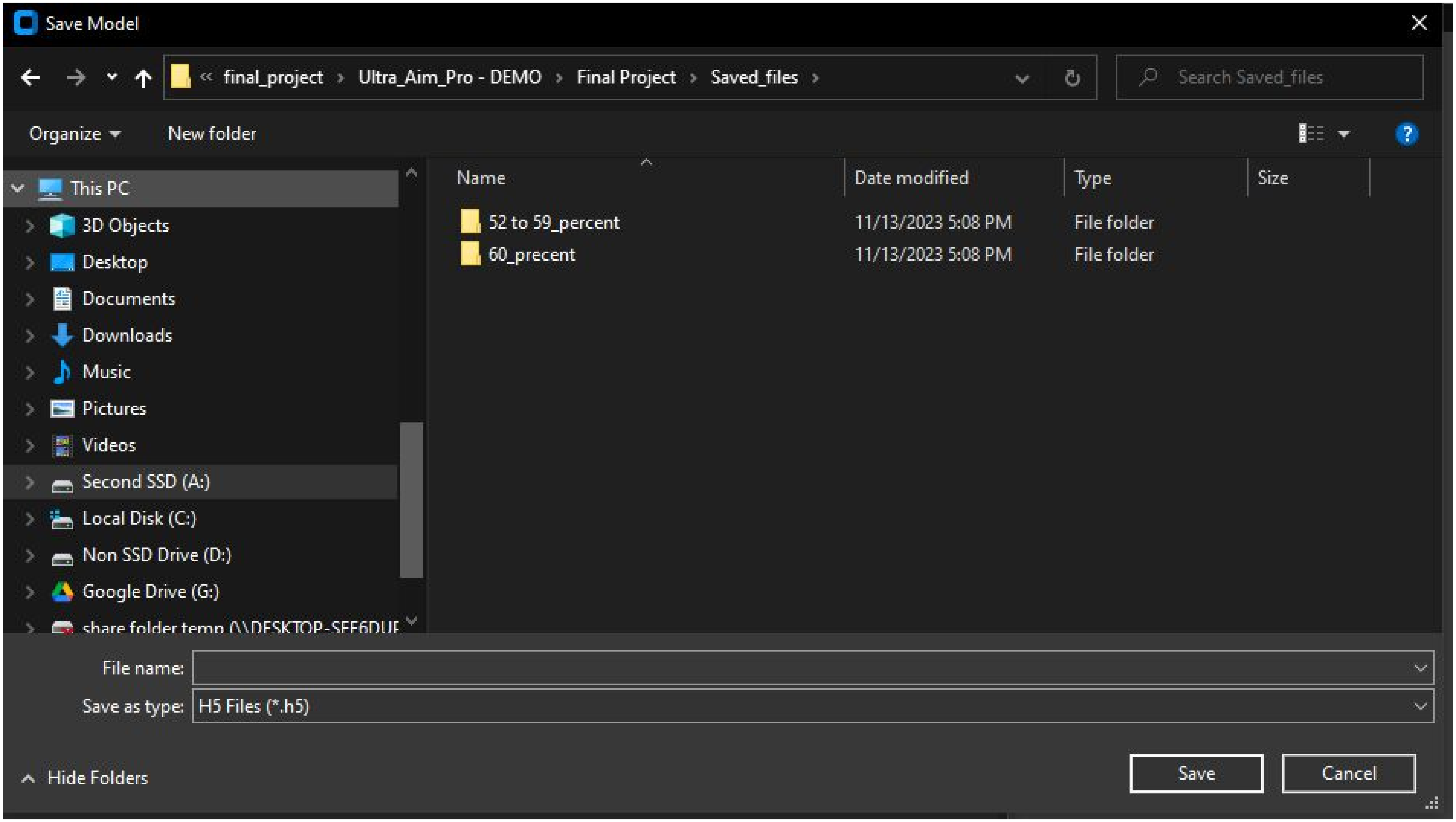
Dense Layer 2 Units: 32

Learning Rate: 0.001

Validation Split: 0.07

Epochs: 1000

Batch Size: 77

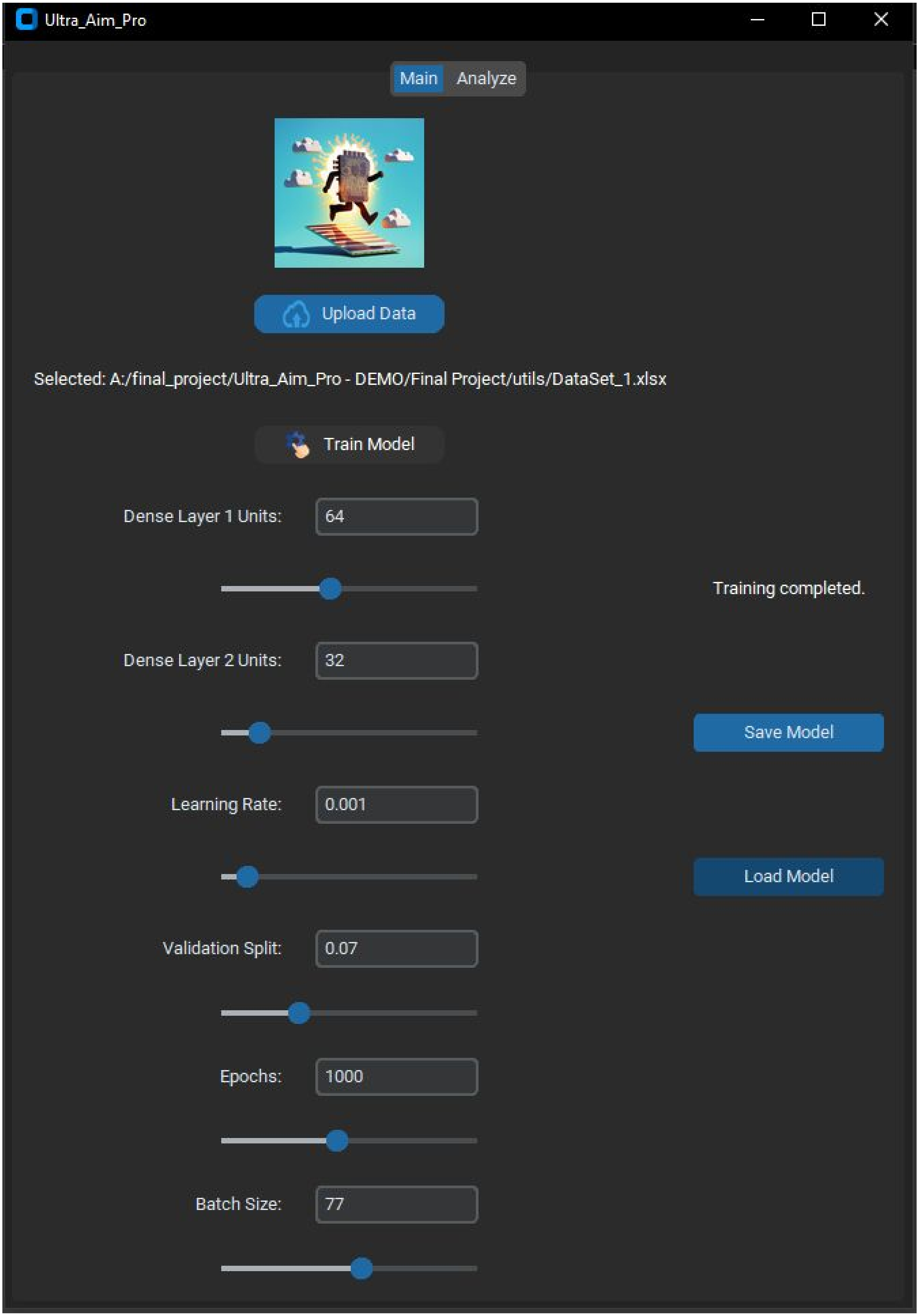

Save Model
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Second SSD (A:)
Local Disk (C:)
Non SSD Drive (D:)
Google Drive (G:)
share folder temp (\\DESKTOP-SFF6DUF
Search Saved_files
Hide Folders
Save
Cancel

« final_project › Ultra_Aim_Pro - DEMO › Final Project › Saved_files ›

Name	Date modified	Type	Size
52 to 59_percent	11/13/2023 5:08 PM	File folder	
60_precent	11/13/2023 5:08 PM	File folder	

File name:

Save as type: H5 Files (*.h5)


Ultra_Aim_Pro
Main
Analyze
Upload Data
Train Model
Save Model
Load Model

Selected: A:/final_project/Ultra_Aim_Pro - DEMO/Final Project/utils/DataSet_1.xlsx

Training completed.

Dense Layer 1 Units: 64

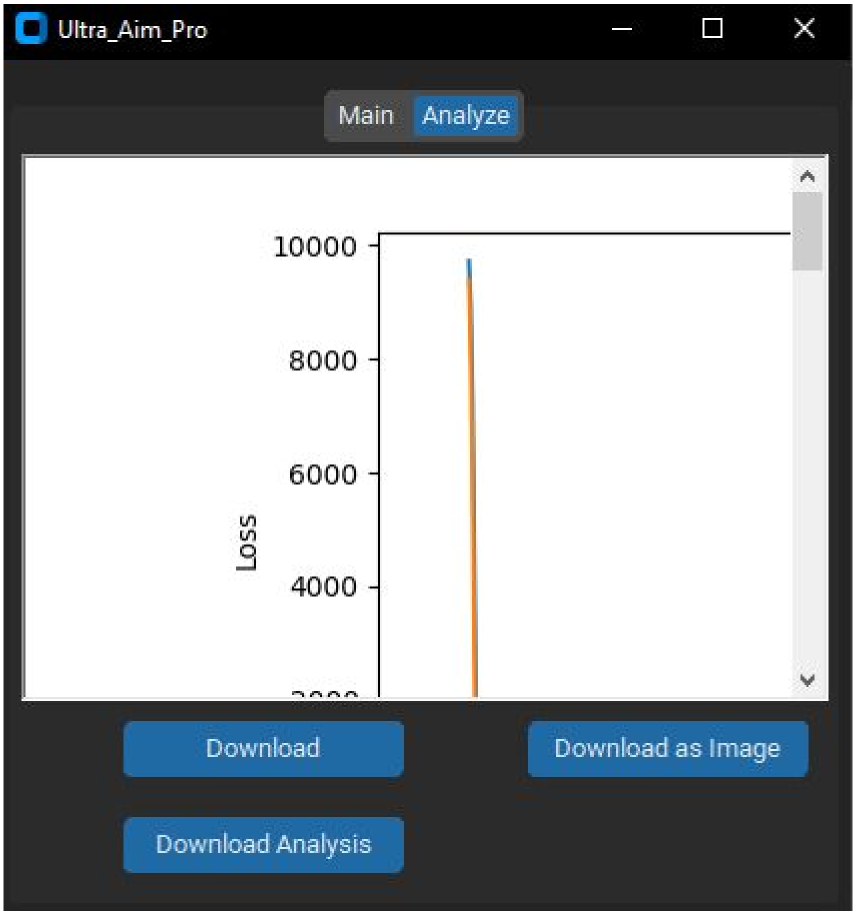
Dense Layer 2 Units: 32

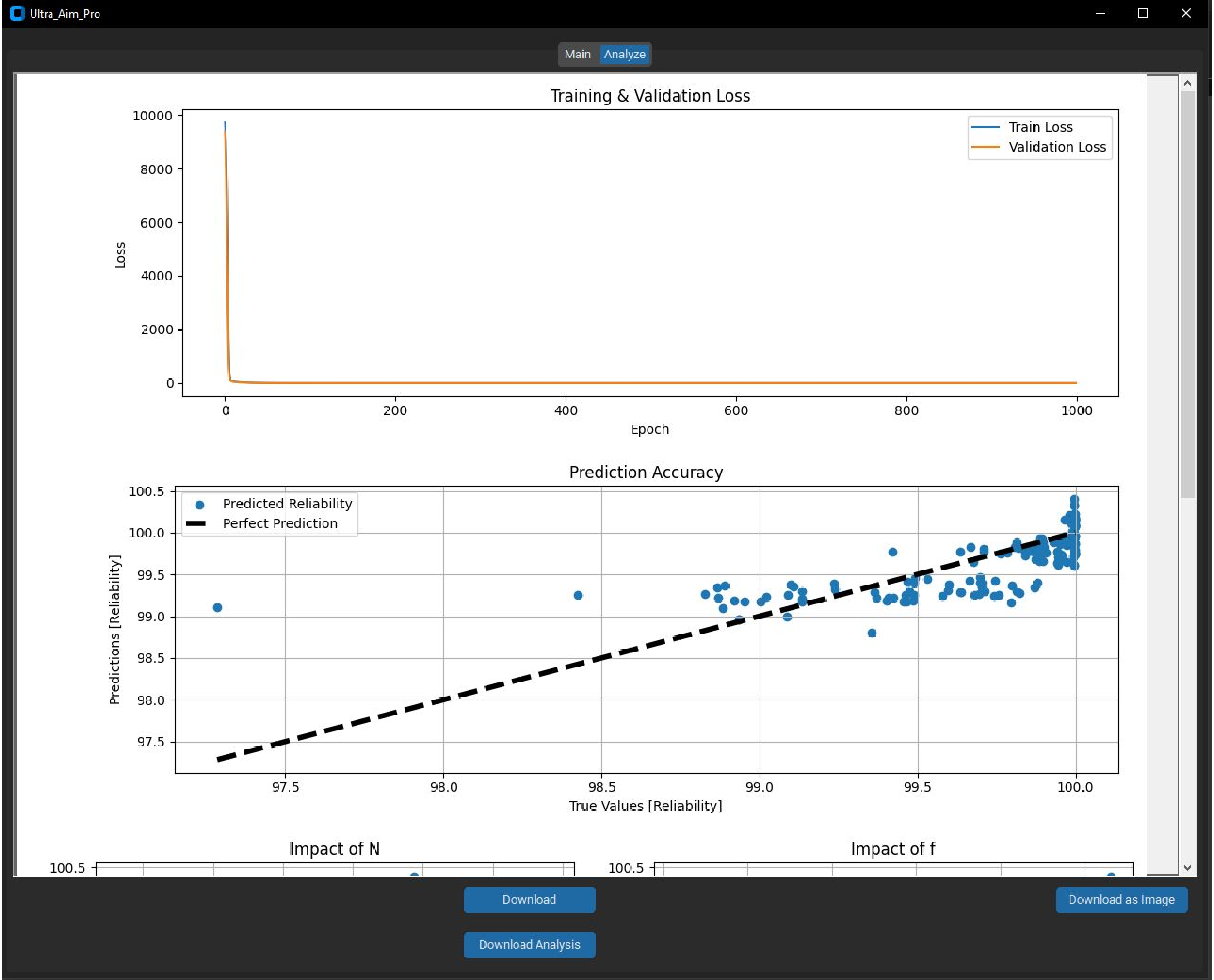
Learning Rate: 0.001

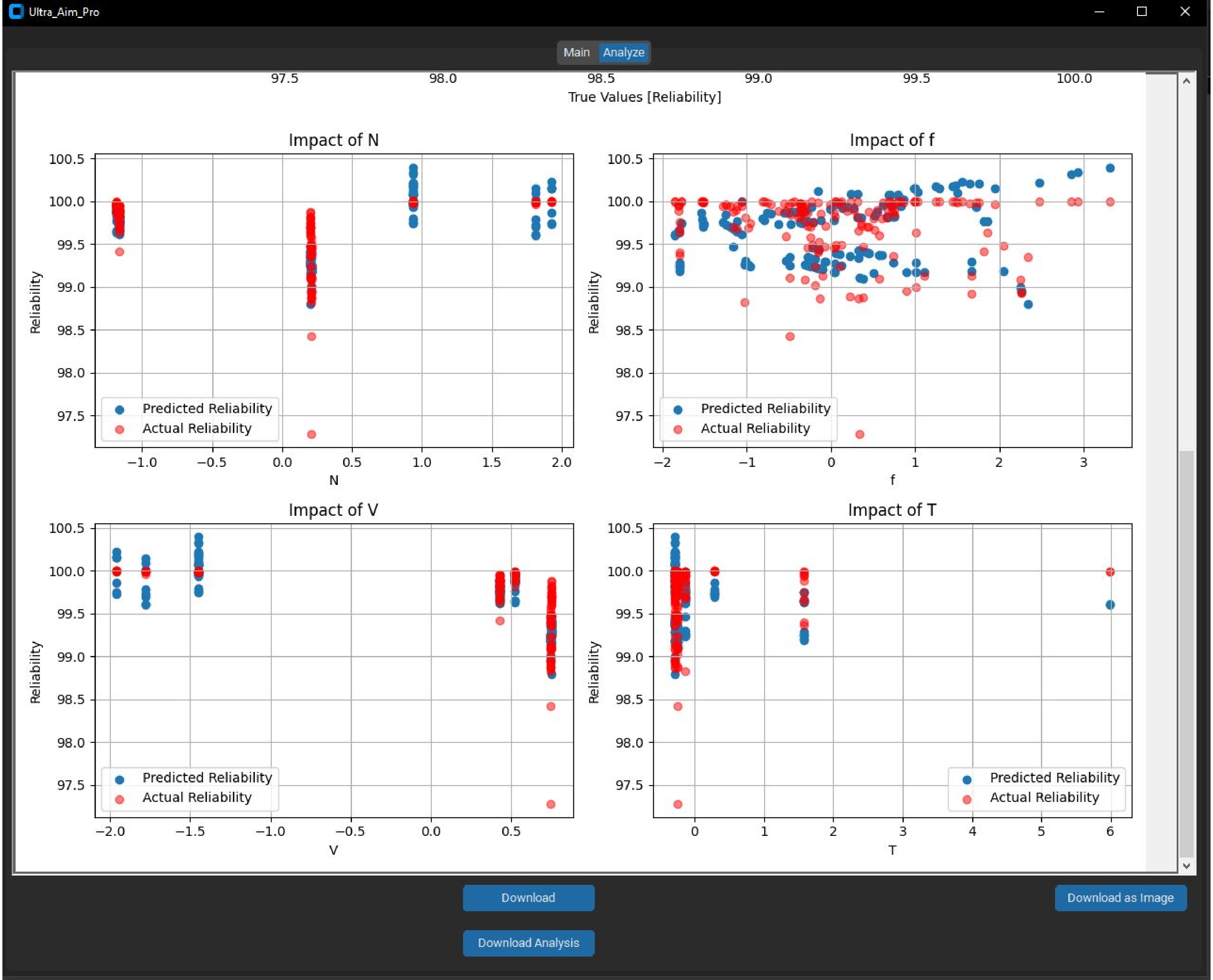
Validation Split: 0.07

Epochs: 1000

Batch Size: 77


Ultra_Aim_Pro
Main
Analyze
10000
8000
6000
4000
Loss
Download
Download as Image
Download Analysis


Ultra_Aim_Pro
Main
Analyze
Training & Validation Loss
Train Loss
Validation Loss
Loss
10000
8000
6000
4000
2000
0
Epoch
0
200
400
600
800
1000
Prediction Accuracy
Predicted Reliability
Perfect Prediction
Predictions [Reliability]
100.5
100.0
99.5
99.0
98.5
98.0
97.5
True Values [Reliability]
97.5
98.0
98.5
99.0
99.5
100.0
Impact of N
100.5
Impact of f
100.5
Download
Download as Image
Download Analysis


Ultra_Aim_Pro
Main
Analyze
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True Values [Reliability]
Impact of N
Reliability
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N
Predicted Reliability
Actual Reliability
Impact of f
Reliability
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Predicted Reliability
Actual Reliability
Impact of V
Reliability
−2.0
−1.5
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Impact of T
Reliability
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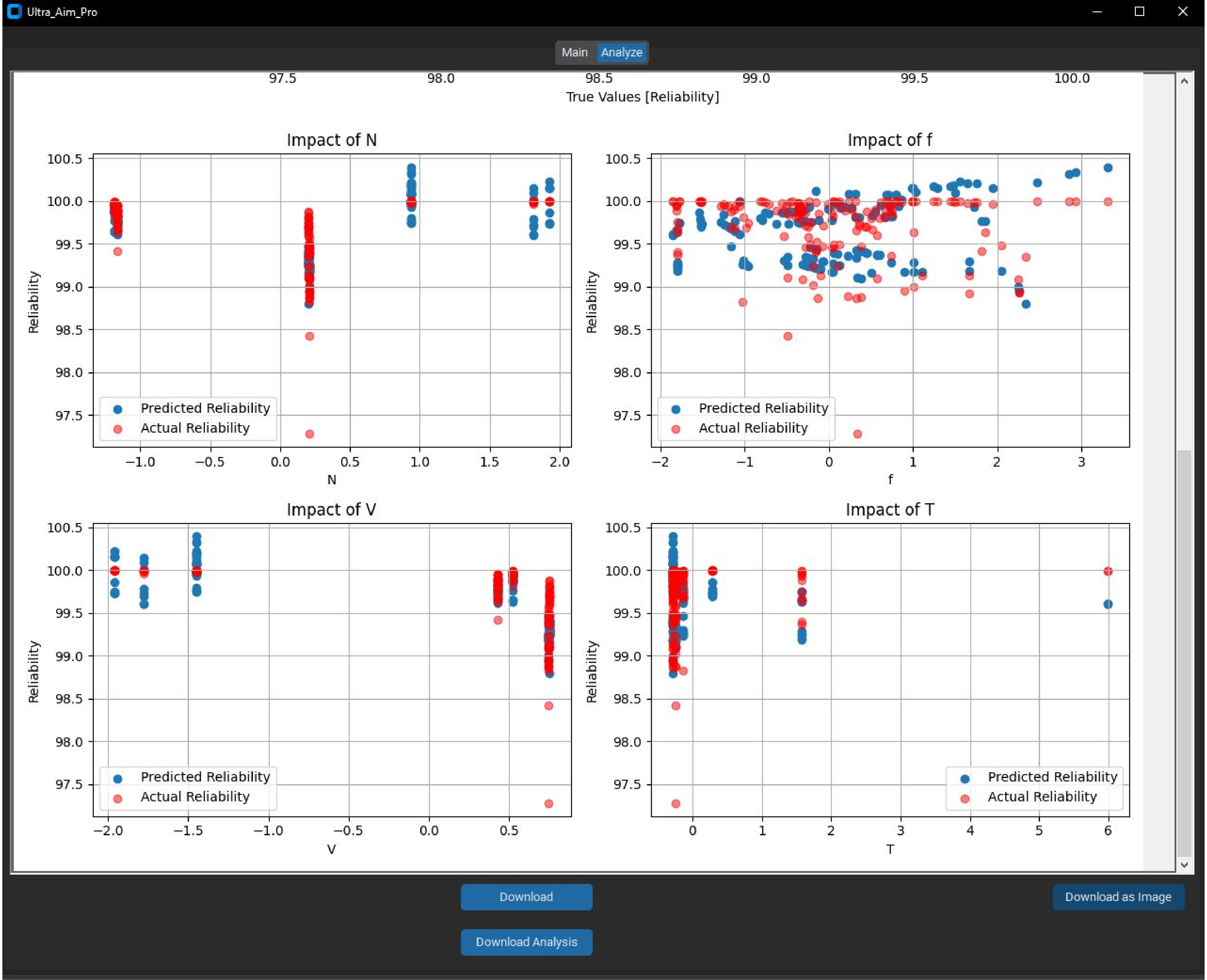
Predicted Reliability
Actual Reliability
Download
Download as Image
Download Analysis


Ultra_Aim_Pro
Main
Analyze
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True Values [Reliability]
Impact of N
Reliability
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0.0
0.5
1.0
1.5
2.0
N
Predicted Reliability
Actual Reliability
Impact of f
Reliability
−2
−1
0
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3
f
Predicted Reliability
Actual Reliability
Impact of V
Reliability
−2.0
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Predicted Reliability
Actual Reliability
Impact of T
Reliability
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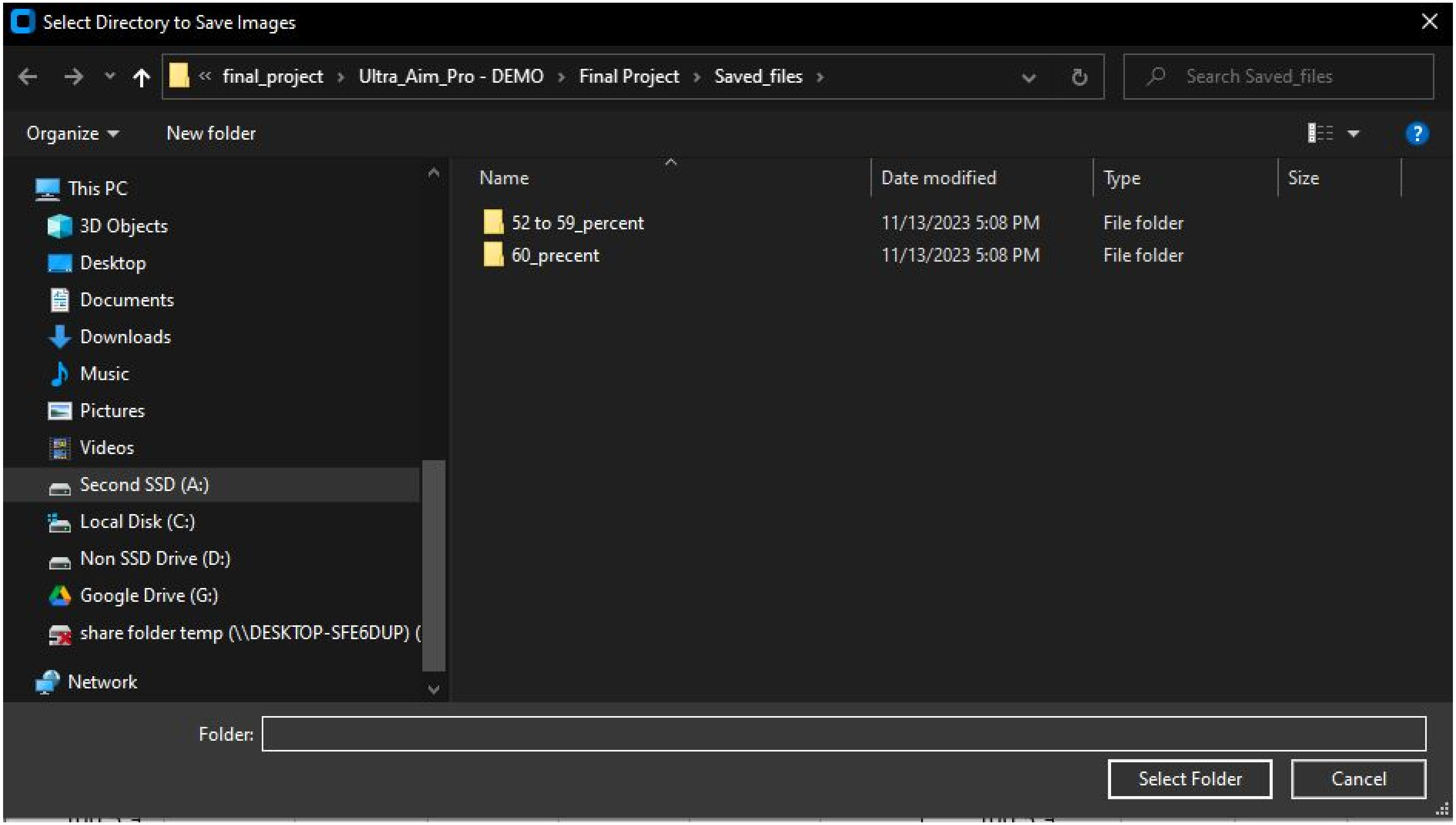
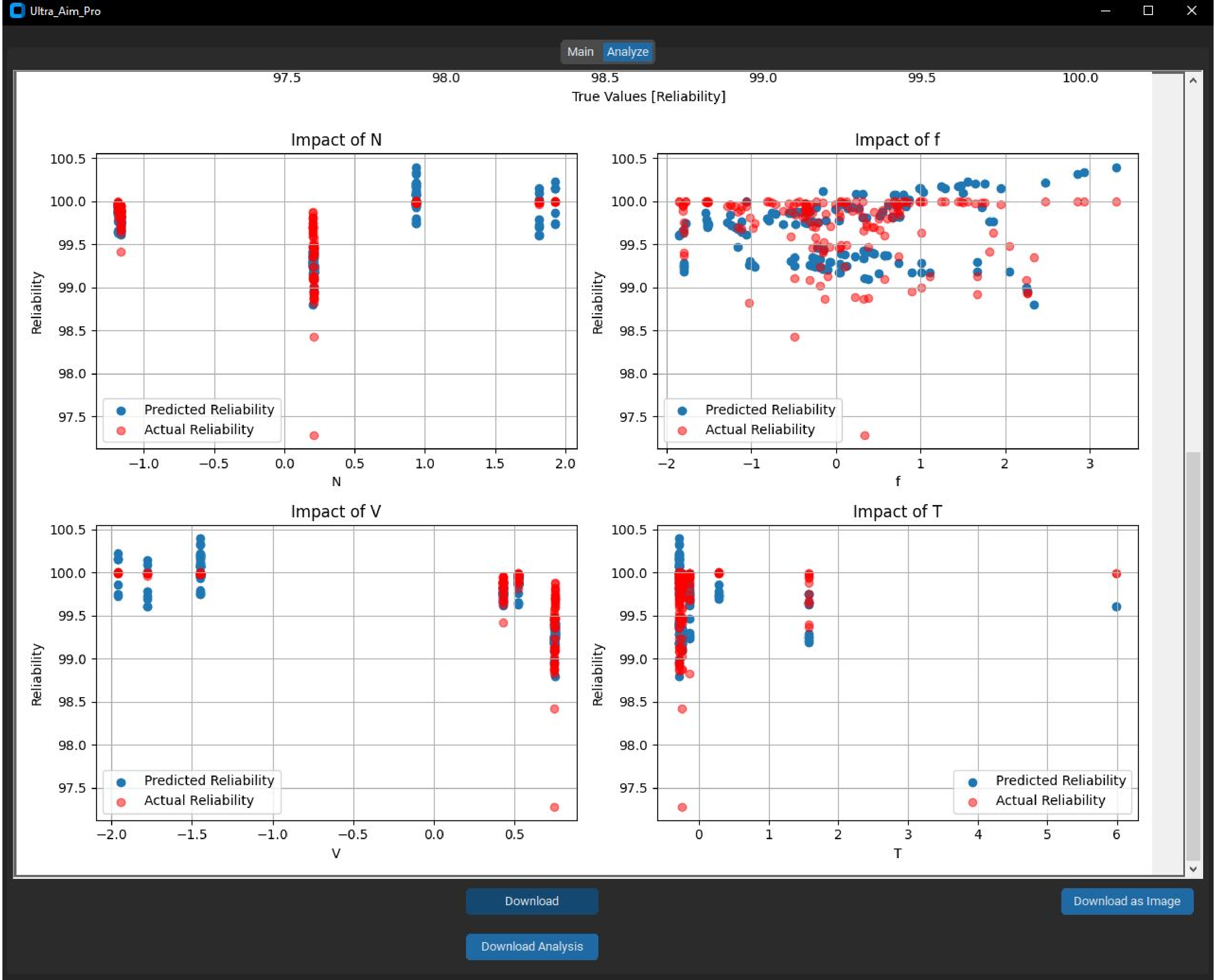
Predicted Reliability
Actual Reliability
Download
Download as Image
Download Analysis


Select Directory to Save Images
« final_project › Ultra_Aim_Pro - DEMO › Final Project › Saved_files ›
Search Saved_files
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Second SSD (A:)
Local Disk (C:)
Non SSD Drive (D:)
Google Drive (G:)
share folder temp (\\DESKTOP-SFE6DUP) (
Network
Folder:
Select Folder
Cancel

Name	Date modified	Type	Size
52 to 59_percent	11/13/2023 5:08 PM	File folder	
60_precent	11/13/2023 5:08 PM	File folder	


Ultra_Aim_Pro
Main
Analyze
97.5
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True Values [Reliability]
Impact of N
Impact of f
Impact of V
Impact of T
Reliability
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100.0
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98.5
98.0
97.5
Predicted Reliability
Actual Reliability
−1.0
−0.5
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f
−2.0
−1.5
−1.0
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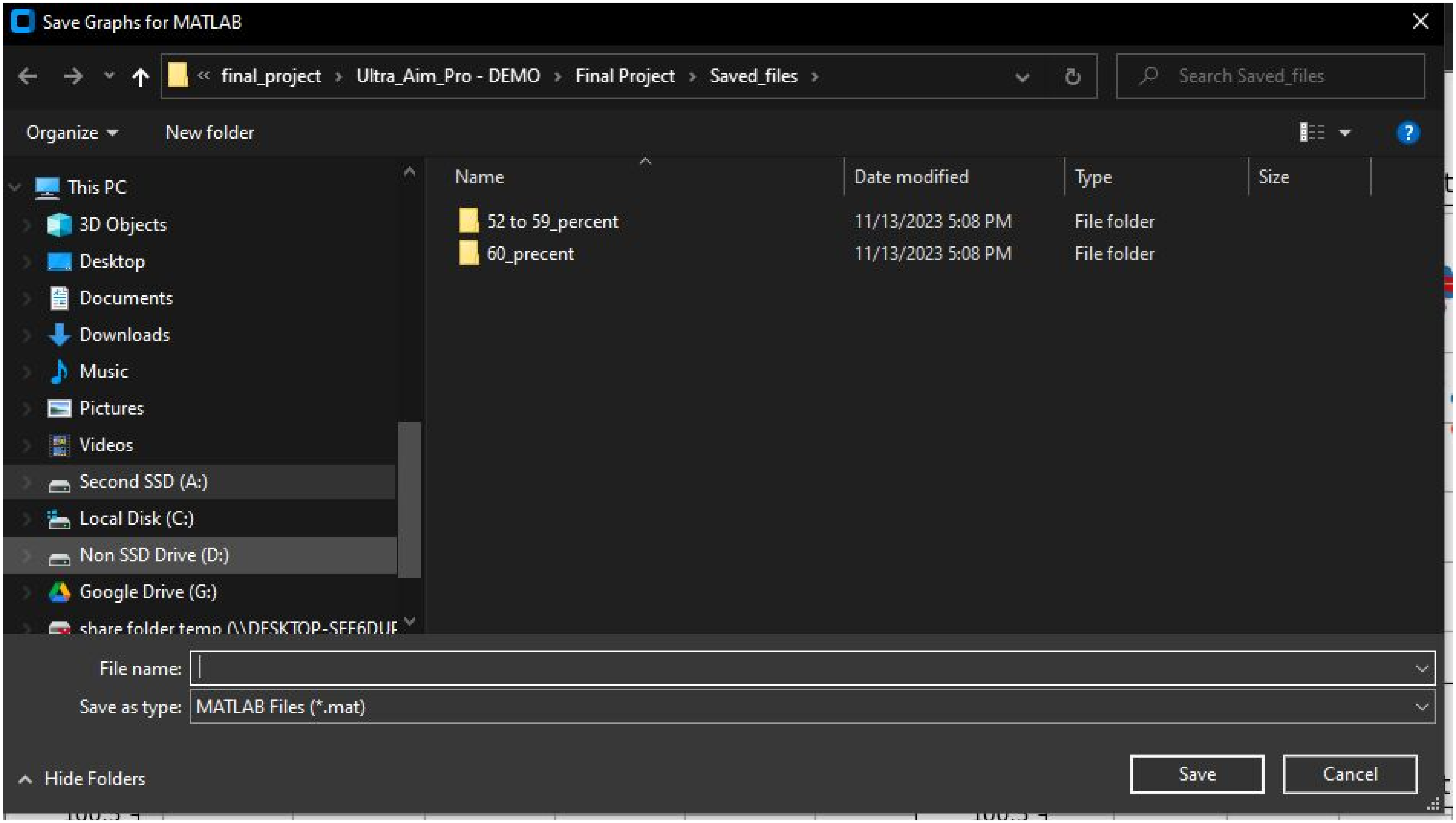
T
Download
Download as Image
Download Analysis

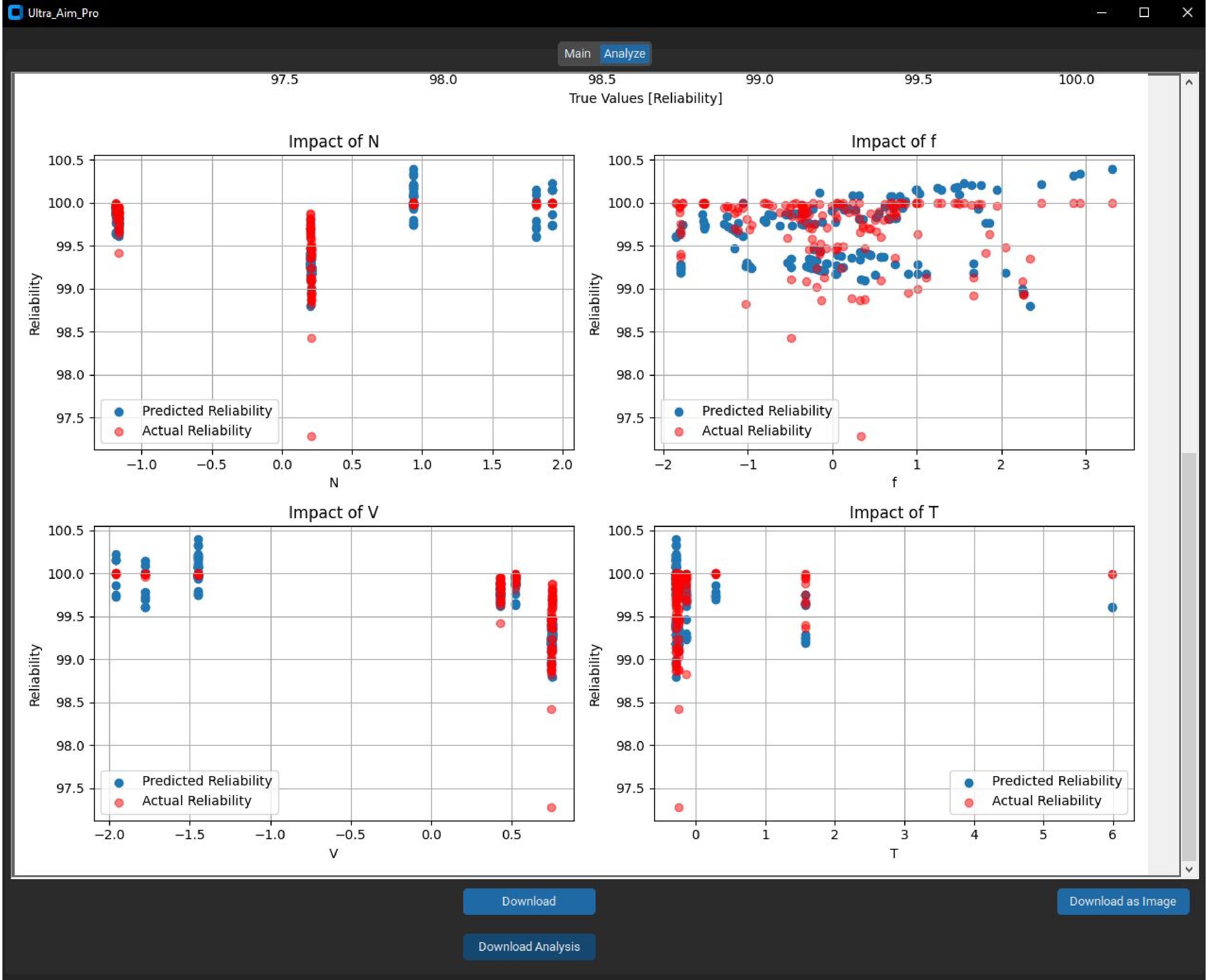

Save Graphs for MATLAB
Search Saved_files
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Second SSD (A:)
Local Disk (C:)
Non SSD Drive (D:)
Google Drive (G:)
share folder temp (\\DESKTOP-SFF6DUF
Save
Cancel
Hide Folders

« final_project › Ultra_Aim_Pro - DEMO › Final Project › Saved_files ›

Name	Date modified	Type	Size
52 to 59_percent	11/13/2023 5:08 PM	File folder	
60_precent	11/13/2023 5:08 PM	File folder	

File name:

Save as type: MATLAB Files (*.mat)


Ultra_Aim_Pro
Main
Analyze
97.5
98.0
98.5
99.0
99.5
100.0
True Values [Reliability]
Impact of N
Reliability
N
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
Impact of f
f
−2
−1
0
1
2
3
Impact of V
V
−2.0
−1.5
−1.0
−0.5
0.0
0.5
Impact of T
T
0
1
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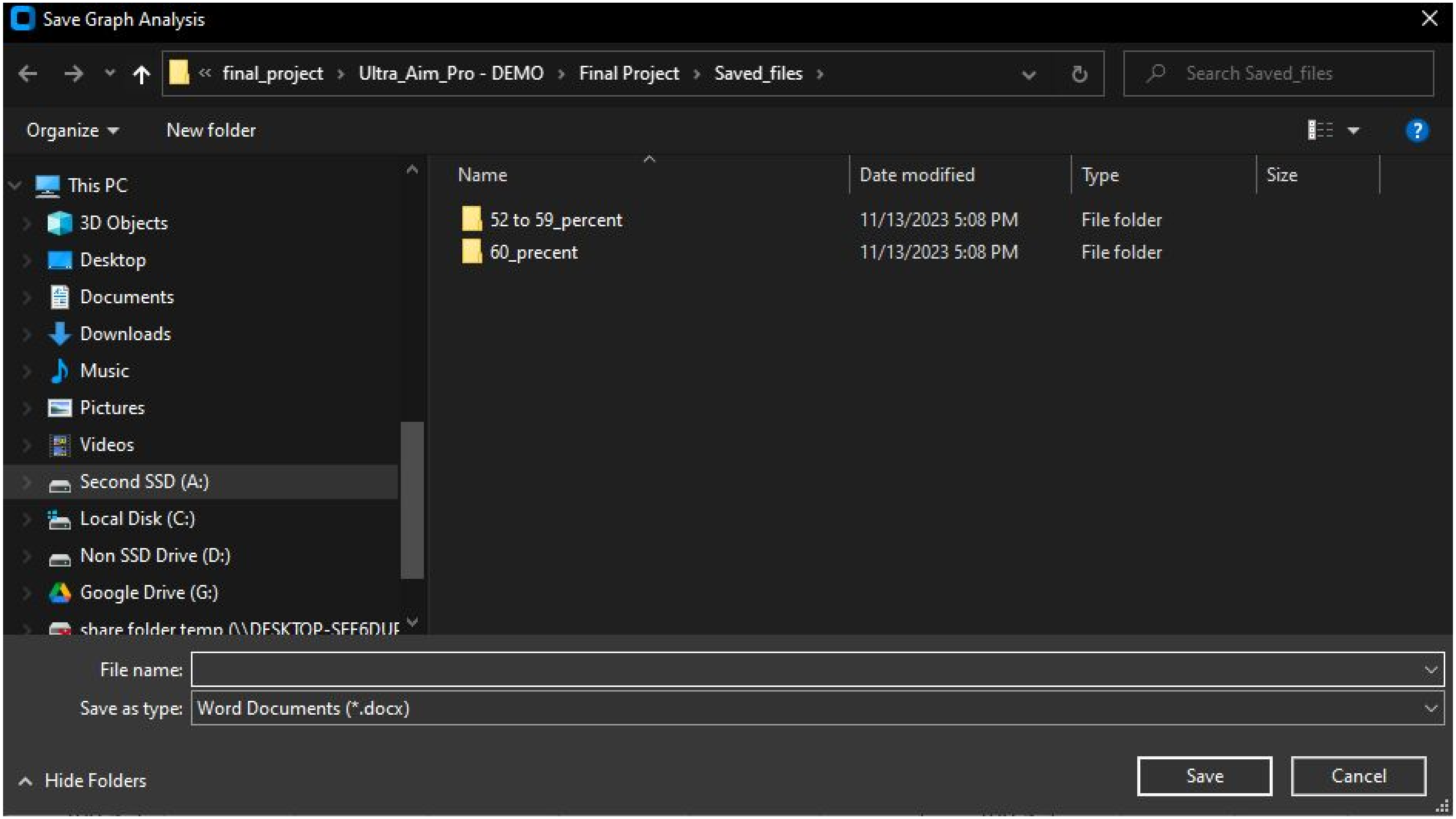
3
4
5
6
100.5
100.0
99.5
99.0
98.5
98.0
97.5
● Predicted Reliability
● Actual Reliability
Download
Download as Image
Download Analysis


Save Graph Analysis
« final_project › Ultra_Aim_Pro - DEMO › Final Project › Saved_files ›
Search Saved_files
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Second SSD (A:)
Local Disk (C:)
Non SSD Drive (D:)
Google Drive (G:)
share folder temp (\\DESKTOP-SFF6DUF
Hide Folders
Save
Cancel

Name	Date modified	Type	Size
52 to 59_percent	11/13/2023 5:08 PM	File folder	
60_precent	11/13/2023 5:08 PM	File folder	

File name:

Save as type: Word Documents (*.docx)