User guide

Advanced Data Analysis Tools

V1.2

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Author : SC Hsiao

This is the toolbox for processing, analyzing, and visualizing optical data.

➡️ **Click here to view the instructions.**

Open Data

Data Process

Exclude Duplicate | Setup Spec | Exclude Outlier

Process Capability

Normal distribution | Best Fit

Report Generate

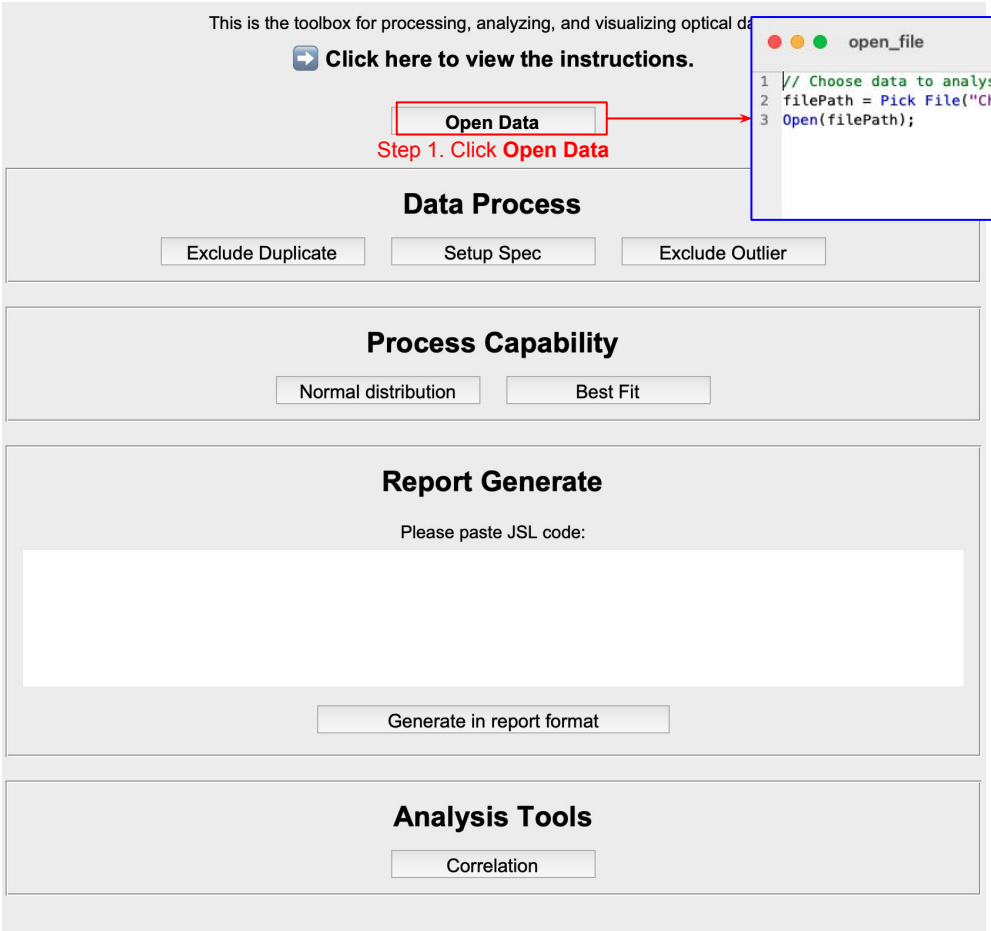
Please paste JSL code:

Generate in report format

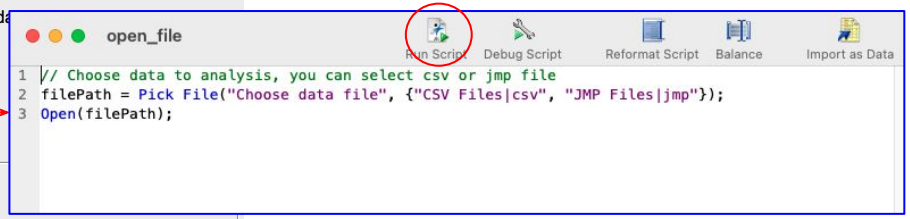
Analysis Tools

Correlation

Open Data

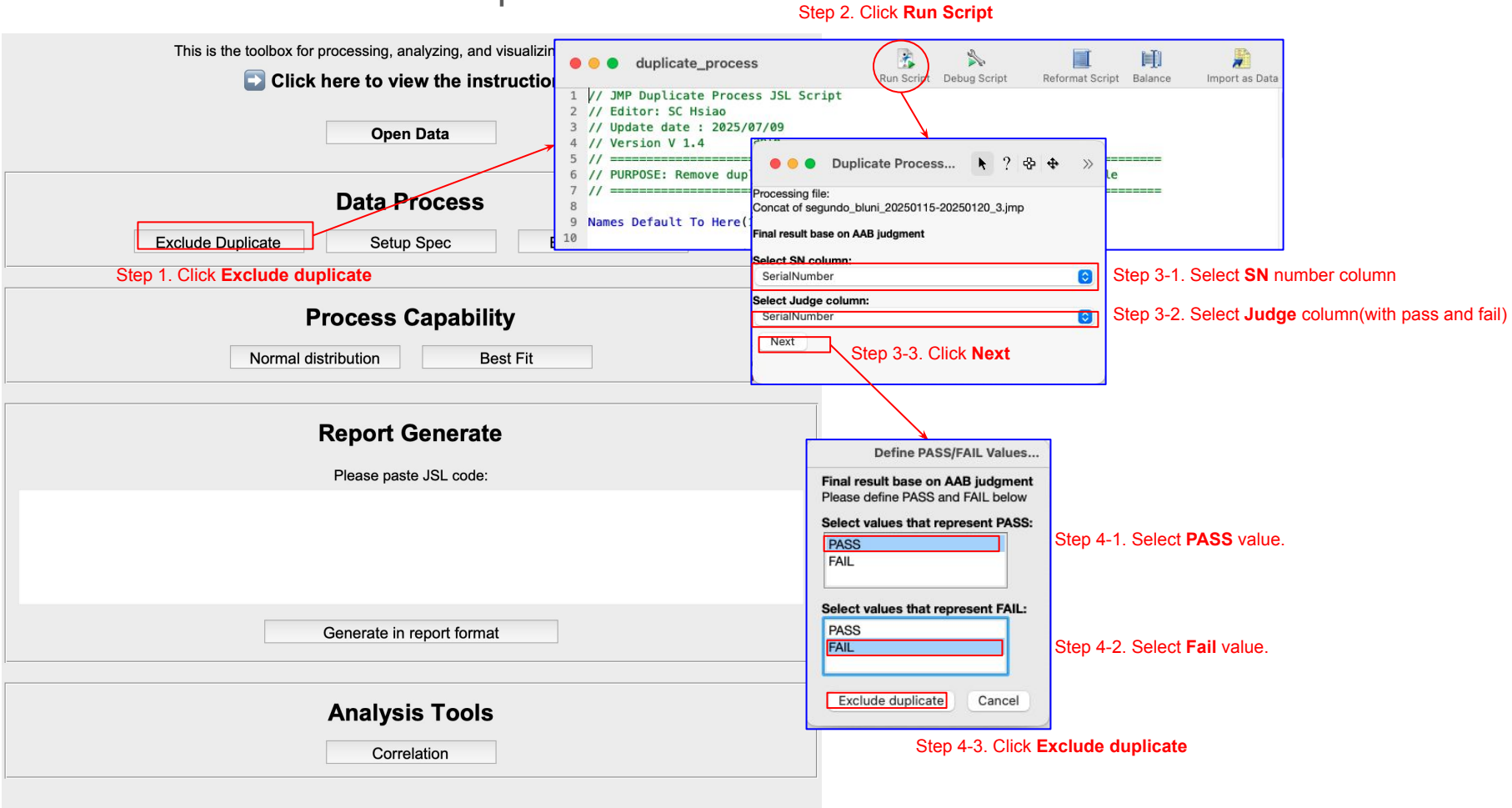


Step 2. Click **Run Script**

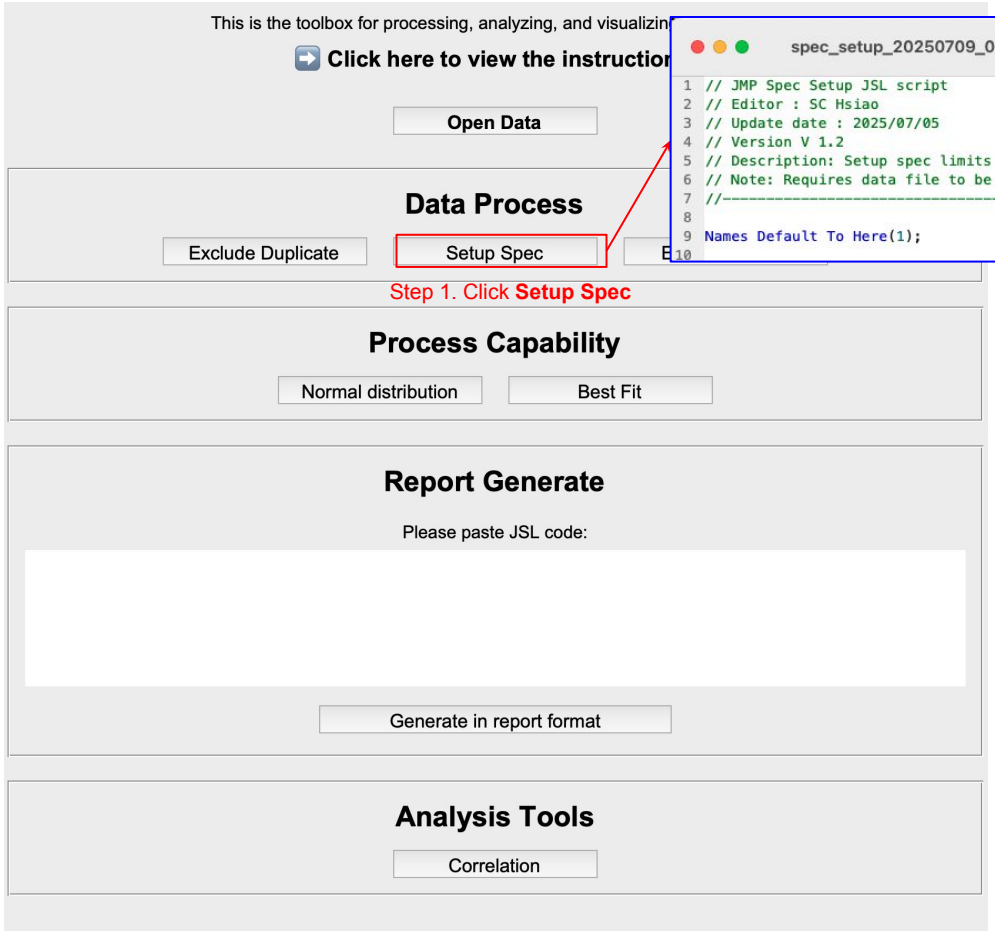


Step 3. JMP file will automatically pop up.

Data Process - Exclude Duplicate

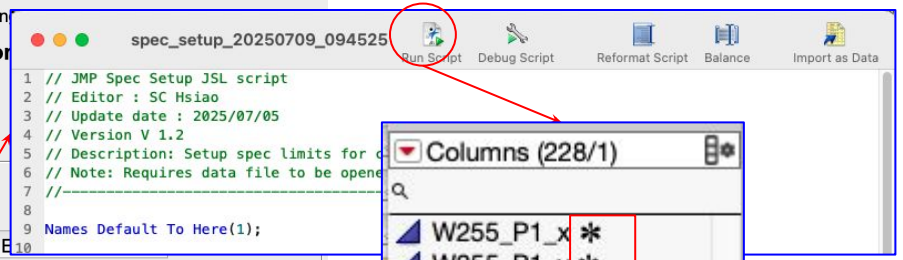


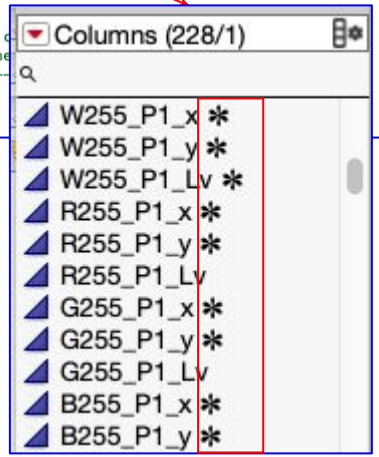
Data Process - Setup Spec



Step 1. Click **Setup Spec**

Step 2. Click **Run Script**





Step 3. Check if JMP file left column have " * ".
It means success added the spec.

Data Process - Exclude Outlier

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Open Data

Data Process

Exclude Duplicate | Setup Spec | Exclude Outlier

Step 1. Click **Setup Spec**

Process Capability

Normal distribution | Best Fit

Report Generate

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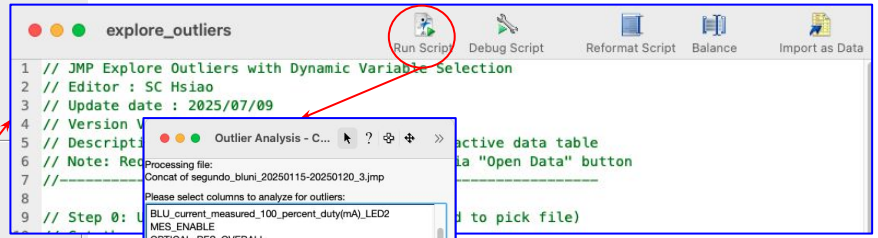
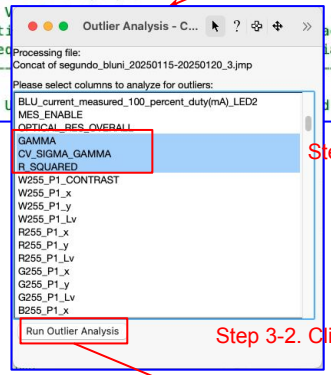
Correlation

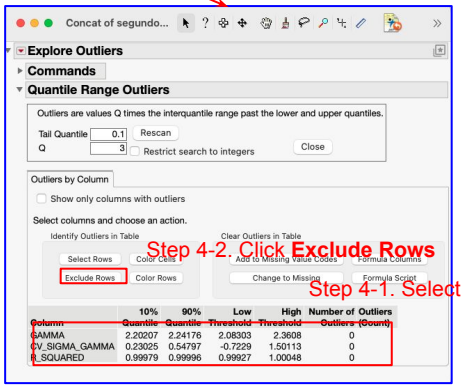
Step 2. Click **Run Script**





Step 3-1. Choose the data to do Exclude outlier.

Step 3-2. Click **Run Outlier Analysis**



Step 4-2. Click **Exclude Rows**

Step 4-1. Select the items you want to exclude.

Process Cability - Normal distribution

This is the toolbox for processing, analyzing, and visualizing optical data.

Click here to view the instructions.

Open Data

Data Process

Exclude Duplicate | Setup Spec | Exclude Outlier

Process Capability

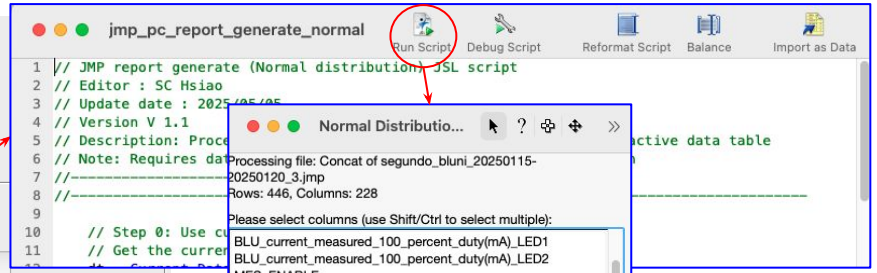
Normal distribution | Best Fit

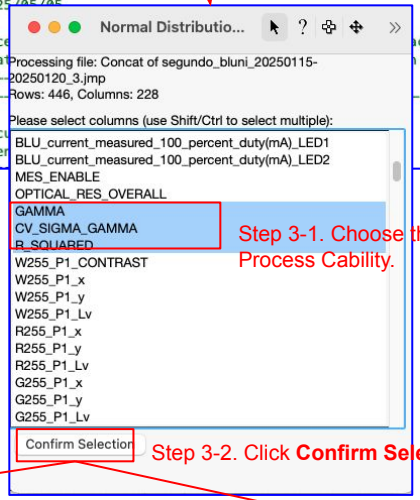
Step 1. Click **Normal distribution**

Report Generate

Please paste JSL code:

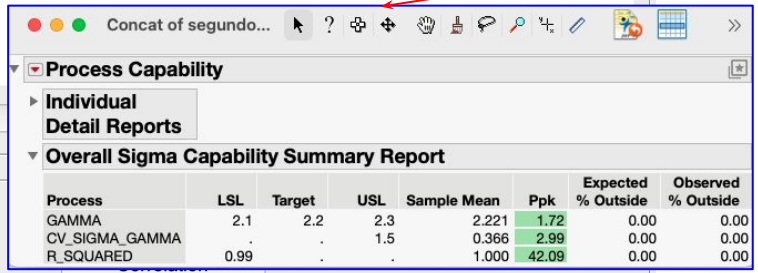
Step 2. Click **Run Script**





Step 3-1. Choose the data to do Normal distribution Process Cability.

Step 3-2. Click **Confirm Selection**



Process	LSL	Target	USL	Sample Mean	Ppk	Expected % Outside	Observed % Outside
GAMMA	2.1	2.2	2.3	2.221	1.72	0.00	0.00
CV_SIGMA_GAMMA	.	.	1.5	0.366	2.99	0.00	0.00
R_SQUARED	0.99	.	.	1.000	42.09	0.00	0.00

Automatically generate Process Cability(Normal distribution)

Automatically generate Process Cability(Normal distribution)

Process Cability - Best Fit distribution

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Open Data

Data Process

Exclude Duplicate | Setup Spec | Exclude Outlier

Process Capability

Normal distribution | Best Fit

Step 1. Click **Best Fit**

Report Generate

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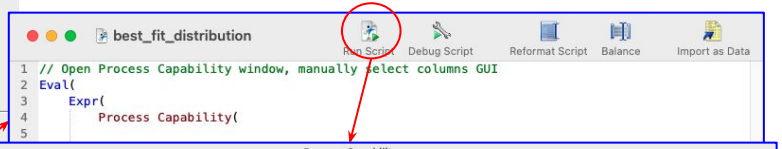
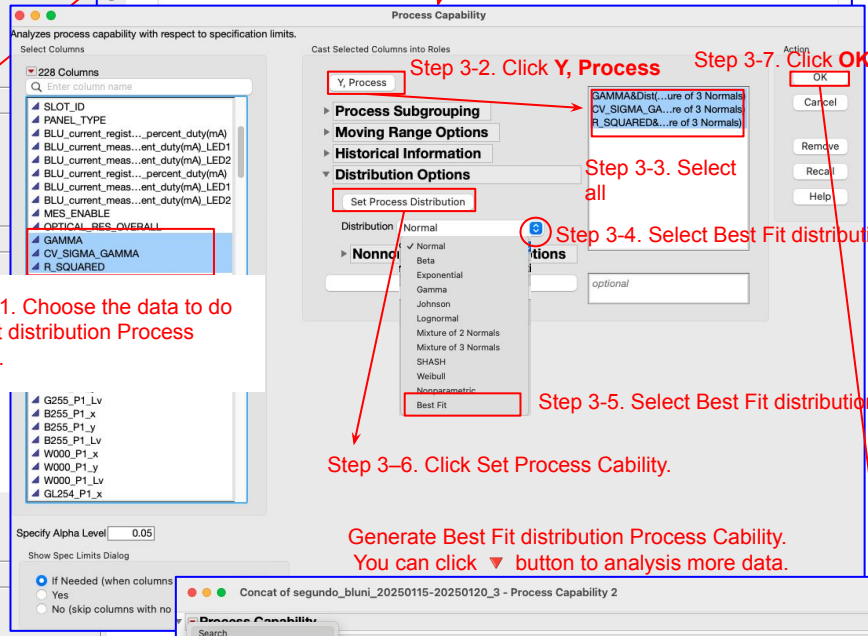
Generate in report format

Analysis Tools

Correlation

Step 2. Click **Run Script**





Step 3-1. Choose the data to do Best Fit distribution Process Cability.

Step 3-2. Click **Y, Process**

Step 3-3. Select all

Step 3-4. Select Best Fit distribution

Step 3-5. Select Best Fit distribution

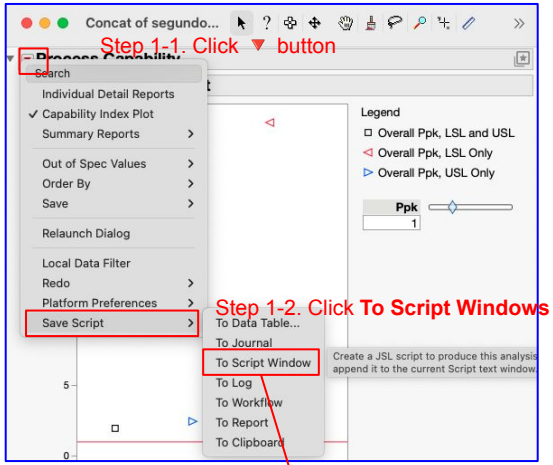
Step 3–6. Click Set Process Cability.

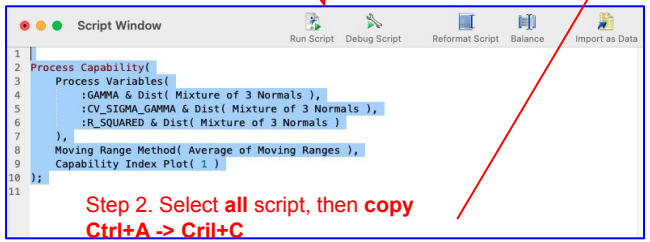
Step 3-7. Click **OK**

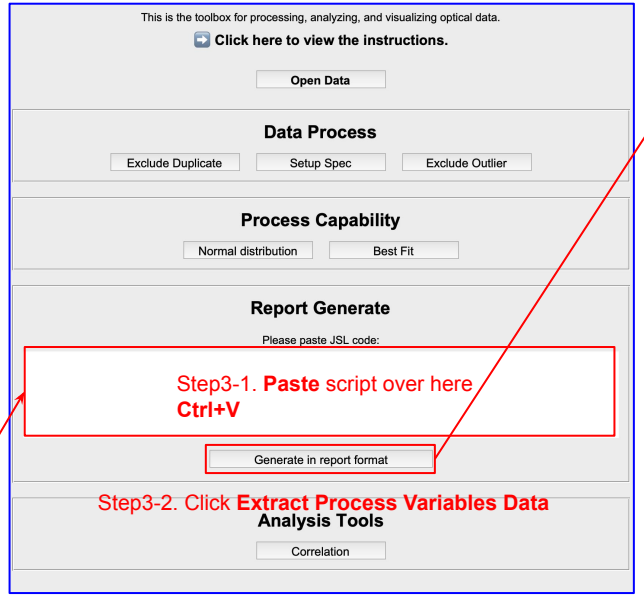
Generate Best Fit distribution Process Cability.
You can click ▼ button to analysis more data.

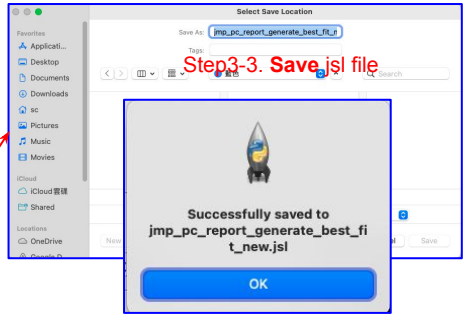
Report Generate

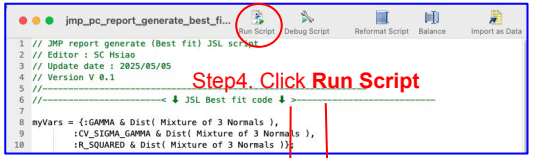
After generate Process capability report,
use this tool to help us generate the report format we need.

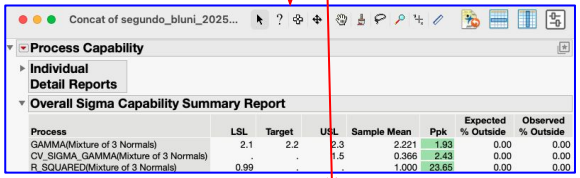












Automatically generate Process Cability(Best Fit distribution)

A - Exclude Duplicate

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Data Process

Exclude Duplicate | Setup Spec | Exclude Outlier

Process Capability

Normal distribution | Best Fit

Report Generate

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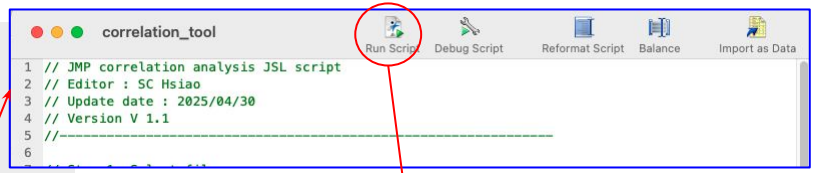
Generate in report format

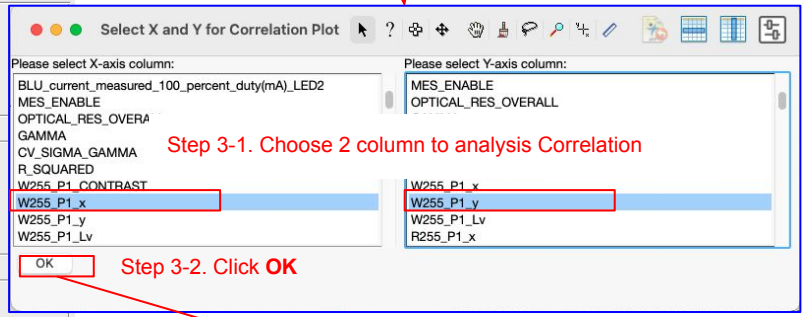
Analysis Tools

Correlation

Step 1. Click **Correlation**

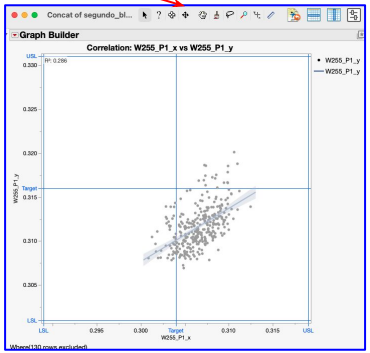
Step 2. Click **Run Script**





Step 3-1. Choose 2 column to analysis Correlation

Step 3-2. Click **OK**



Generate those data's Correlation Plot, also show R2 and auto save the image.