

WormLab® Tutorial

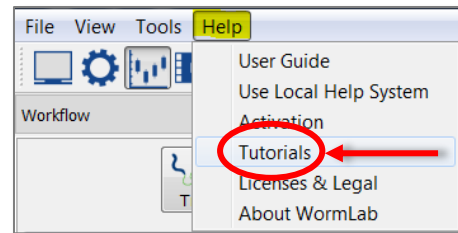
Tutorial: Batch Processing

In this tutorial, we will demonstrate batch processing with two sample videos: **FiveWorms.avi** and **swimming.avi**.

1. Start WormLab.

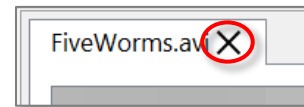
2. Process the **FiveWorms.avi** video:

a. Open the video: Go to **Help>Tutorials** and open the **Video** folder.



b. Follow the steps outlined in the **WormLab Quick Tutorial** to set the parameters, but **DO NOT** start tracking.

c. In the Workflow, click the **Save Project** button and save project file.



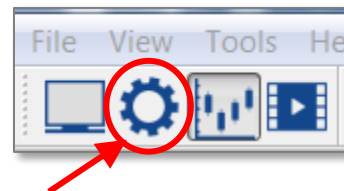
the

d. Close the video.

3. Process the **swimming.avi** video (as described in step 2 above).

NOTE: For multiple videos in which the parameters are mostly kept constant, use the **Configuration Manager**. This tool saves tracking settings so that they can be re-used from video to video.

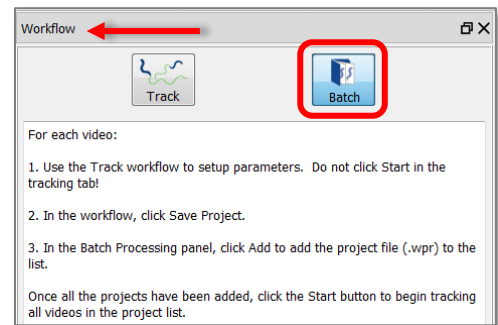
To open the Configuration Manager, click this icon in the toolbar:



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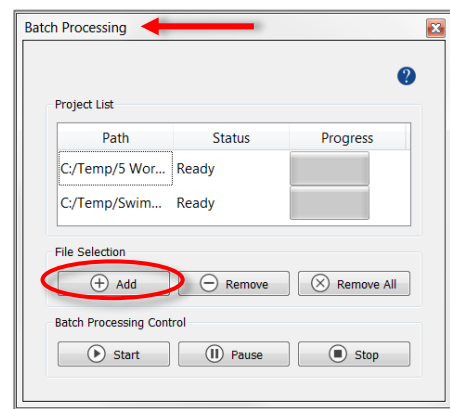
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4. In the Workflow panel, click the **Batch** button to display the Batch Processing Panel.



5. Under the **File Selection** heading, click the **Add** button and select the projects you just saved.

You should now see the projects listed in the Project List panel.

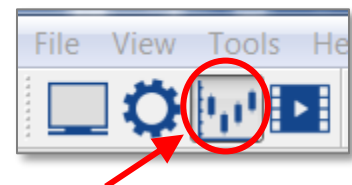


Note: Individual project files with one video per project file must be loaded for batch processing. If more than one video is associated with a single project file, only the first video will be processed.

6. Click **Start** to begin processing. The progress bars for each project will update accordingly.

7. Once Batch Processing is completed, you can use **Group Analyses** (learn more about Group Analysis in our user guide [here](#)).

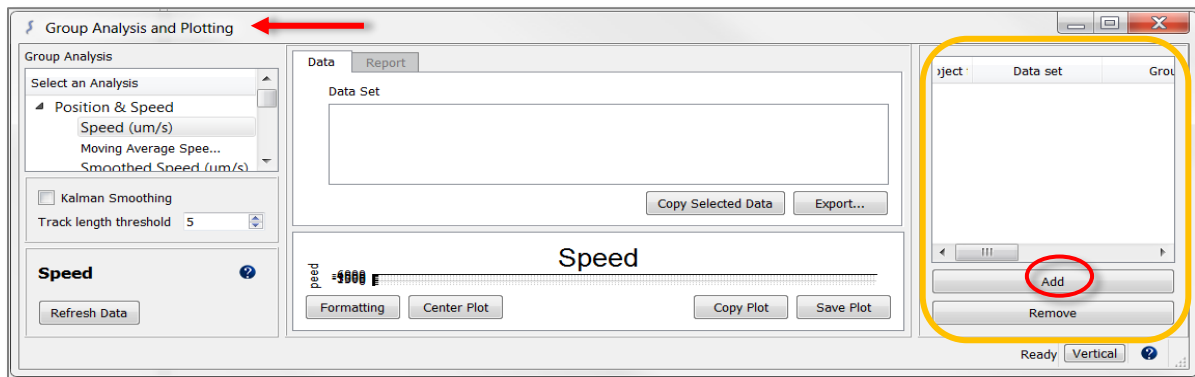
- a. Click this icon in the toolbar to open the Analysis window:



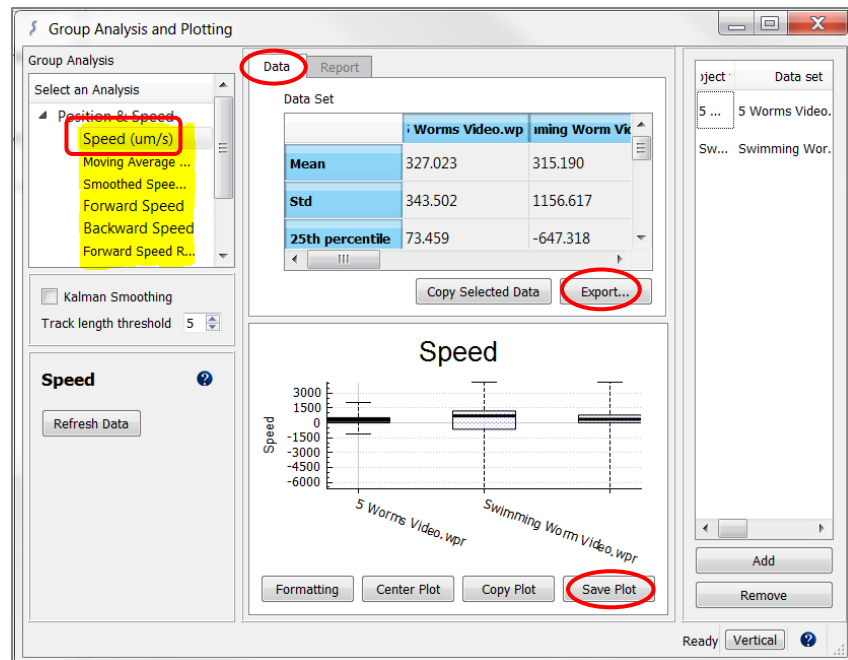
- b. Use the Project panel (circled in orange below) to add the two project files you processed.
- c. Click the **Add** button.

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- Once the files have been added, select one of the analyses from the list on the left (we selected **Speed**). The results are displayed under **Data**.
 - To export the data for this analysis, click the **Export** button. If MS Excel is installed, data is automatically loaded into Excel. Otherwise, you'll be prompted to select a program to open the exported .CSV file.
 - To save the plot for this analysis, click the **Save plot** button.



Questions or Problems?

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