ImageJ Quick Reference Sheet

Opening an '.avi' Video File:

File Menu → Import → AVI… → Select Video, Click Okay → Click Okay in 'AVI Reader' window
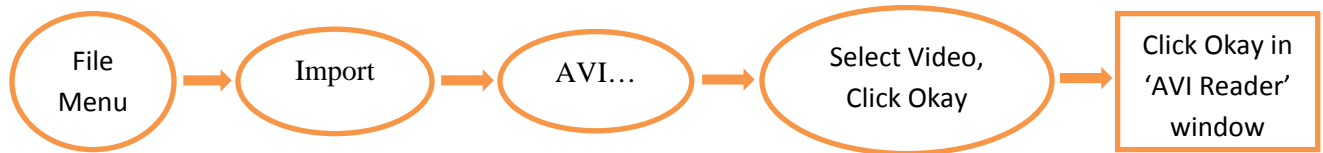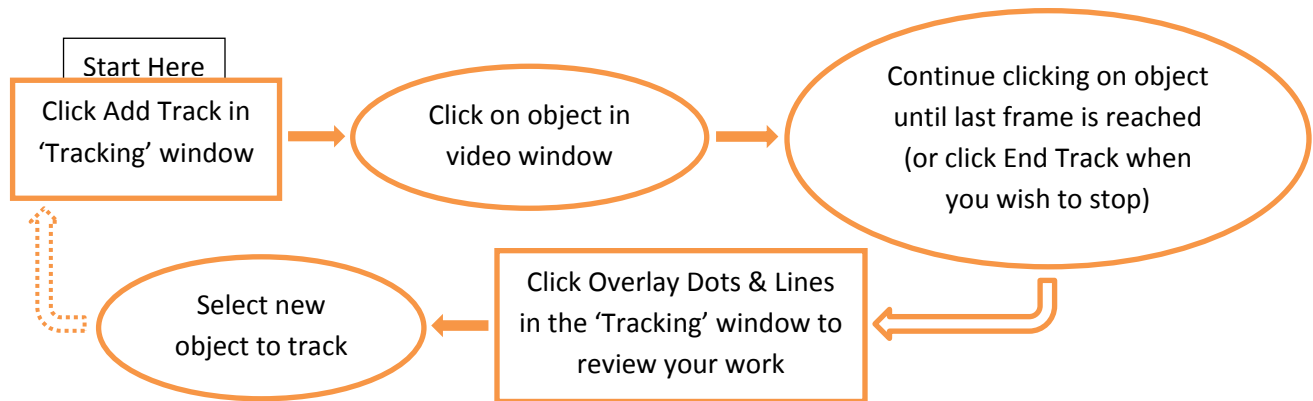
Opening the Manual Tracking Plugin:

Plugins Menu → Stacks → Manual Tracking
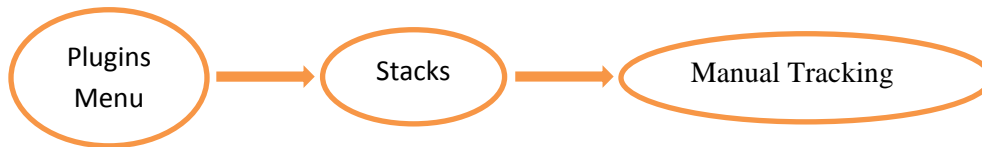
Possible Settings for Manual Tracking:

- For a 'Centring Correction': tick the box (for each object tracked); maximum = bright/white, minimum = dark/black; adjust the 'Search square size for centring' in the Parameters portion of the Tracking window to an appropriate value

Gathering Data with Manual Tracking:

Start Here

Click Add Track in 'Tracking' window → Click on object in video window → Continue clicking on object until last frame is reached (or click End Track when you wish to stop)

Select new object to track ← Click Overlay Dots & Lines in the 'Tracking' window to review your work ←

Exporting the Manual Tracking Data:
Data Window = "Results from (file name) in (units of speed)"

Click on the Data window → File Menu in Data window → Select Save As… → Name the File and Click Save
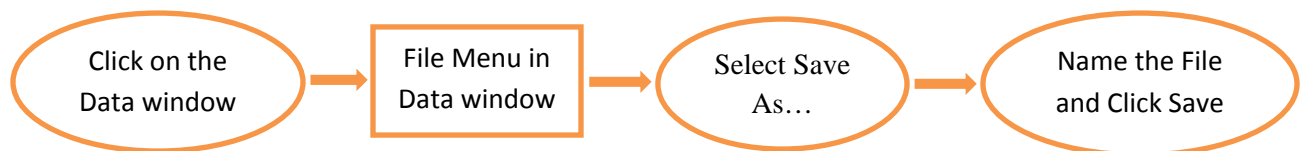
Challenges for Interpreting Data:

- How do we determine the correct time for a data point?
- How do we convert the X and Y pixel coordinates into x- and y-positions?
- Do we need to consider both the x and y motions? Why?/Why not?