

xjView 8 Manual

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What is xjView?

A MatLab toolbox to view T-test or F-test brain images. xjView makes it very easy to view images, change p-values, compare images, and finding anatomical labels, etc.

How to get xjView?

Google “xjView”. Or go directly to xjView’s official website: <http://www.alivelearn.net/xjview8/>

How to use xjView?

xjView is supposed to be intuitive to use. Below is a very brief guide.

1. Open a T (or F) test image
Menu File|Open Images ... (or, simple double click any blank space in xjview window)
2. Change p-value
Drag the slider on the bottom left of xjview window. Or, enter the pvalue manually and press enter.
3. Change cluster size threshold
Enter the cluster size threshold in the “cluster size>=” box, and press enter
4. Change FDR p-value (only for T-test image)
Enter the FDR p-value in the “FDR p=” box, and press enter
5. Display 3D render view
Check the box “Render View”. You can choose “new” or “old” style.
6. Display slice view
Click button “Slice View”
7. Display positive, negative, or all activation (for T-test image only)
Select “All”, “Only +”, or “Only -”
8. Change the background structural image in the section view
Select available templates in the list under section view; for other images, click “other” button below the section view
9. Change the color scale in the section view
Enter a number below “color max” and press enter
10. Hide blue cross in the section view
Check or uncheck “XHairs Off”
11. Navigate through the brain
Mouse click on the section view; or use arrow key on your keyboard (including Page Up/Down key) for finer navigation; or drag the red arrow on the glass view; or right click the glass view and bring up the context menu
12. Find anatomical labeling of the selected voxel
Read the link under section view
13. Search web for more info about a brain region
Select “Google Scholar”, “PubMed”, or “wiki” and click “search” button

14. Pick a cluster
Click button “Pick Cluster/Info”. The cluster’s anatomical information is displayed.
15. Pick more than one cluster
Navigate to each cluster, click “Select Cluster”, then finally “Pick Cluster” (use clear Select if you want to redo)
16. Overlay a template region
Select a region and click “Overlay” button
17. Report all activation clusters
Click button “Report”
18. List all cluster information
Click button “Volume”
19. Open more than one images
Double click any blank space, and select more than one images
20. Find the common region across all opened images
Click button “Common region”. Common region will be displayed in intermediate color.

