



8. Subregion

Cropping Data

The Subregion tool in Input/Output > Process can be used to reduce the size of a data set without the need to interpolate the original voxel data. The tool can also be used to crop data to a specific region of interest, which may be beneficial for certain applications, such as [hippocampal segmentation](#).

- Open Input/Output.
- Navigate to and select the data set you want to crop.
- Select Process **1** and Subregion. **2**
- To crop the data, click on the green box **3** in the display panel and adjust to the desired position.
- To define the crop in the Z range, click on the Slice option. **4**
With your left mouse button held down, move the mouse up or down to navigate through the slice data. You can also use the scroll wheel to move through the slice data. When you reach the lower limit for the crop, enter the slice number in the Z Low box. **5** Enter the upper limit slice number in the Z High box.
- Click Load Volume to load the cropped data. **6**



Download the Neuro_ACPC_Aligned_MRI data set to follow along <http://analyzedirect.com/data/>

	Low	Inc	High	Num	Max
X	51	1	146	96	184
Y	58	1	161	104	250
Z	85	1	125	41	210
V	1	1	1	1	1