

Language	MATLAB/Octave	Python	R
Bind rows	<code>[a ; b]</code>	<code>concatenate((a,b), axis=0)</code> <code>vstack((a,b))</code>	<code>rbind(a,b)</code>
Bind columns	<code>[a , b]</code>	<code>concatenate((a,b), axis=1)</code> <code>hstack((a,b))</code>	<code>cbind(a,b)</code>
Bind slices (three-way arrays)		<code>concatenate((a,b), axis=2)</code> <code>dstack((a,b))</code>	
Concatenate matrices into one vector	<code>[a(:), b(:)]</code>	<code>concatenate((a,b), axis=None)</code>	
Bind rows (from vectors)	<code>[1:4 ; 1:4]</code>	<code>concatenate((r_[1:5],r_[1:5])).reshape(2,-1)</code> <code>vstack((r_[1:5],r_[1:5]))</code>	<code>rbind(1:4,1:4)</code>
Bind columns (from vectors)	<code>[1:4 ; 1:4]'</code>		<code>cbind(1:4,1:4)</code>