

Language	MATLAB/Octave	Python	R
Matrix dimensions	<code>size(a)</code>	<code>a.shape</code> or <code>a.getshape()</code>	<code>dim(a)</code>
Number of columns	<code>size(a,2)</code> or <code>length(a)</code>	<code>a.shape[1]</code> or <code>size(a, axis=1)</code>	<code>ncol(a)</code>
Number of elements	<code>length(a(:))</code>	<code>a.size</code> or <code>size(a[, axis=None])</code>	<code>prod(dim(a))</code>
Number of dimensions	<code>ndims(a)</code>	<code>a.ndim</code>	
Number of bytes used in memory		<code>a.nbytes</code>	<code>object.size(a)</code>