

			length()	dim()	class()
Vector	1D	homogeneous	length(x)	NULL	"integer"/"numeric"/ "character"/"logical"
Matrix =2D vector	2D	homogeneous	nrow(x)* ncol(x)	nrow(x), ncol(x)	"matrix","array"
Array =ND vector	ND	homogeneous	prod(dim(x))	dim(x)[1]... dim(x)[N]	1D/ND: "array" 2D: "matrix","array"
List =vector of <i>*any*</i> objects	1D	heterogeneous	length(x)	NULL	"list"
Data frame =square list	2D	heterogeneous	length(x)= ncol(x)	nrow(x), ncol(x)	"data.frame"