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Subject: Re: write widget\_table out to file?  
Posted by [Juggernaut](#) on Fri, 29 Aug 2008 18:01:18 GMT  
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On Aug 29, 12:54 pm, Mike <Michael.Mill...@gmail.com> wrote:  
> I'd like to write the contents of a widget\_table to a file. Seems  
> like something someone else may have already implemented. Do any of  
> you have something that your willing to share?  
>  
> Mike

```
PRO write_csv, array, columnHeaders, $  
  FILENAME=filename, $  
  WIDTH=width  
  
ON_ERROR, 1  
IF n_elements(array) EQ 0 THEN $  
  MESSAGE, 'No Array Passed.', /INFORMATIONAL  
type = size(array, /type)  
IF type EQ 10 THEN BEGIN  
  IF size(array, /n_dimensions) GT 1 THEN $  
    MESSAGE, 'Pointer can only be 1D.', /INFORMATIONAL  
  max_size=intarr(n_elements(array))  
  FOR i = 0, n_elements(array)-1 DO max_size[i]=(size(*array[i]))[1]  
  sData = strarr(n_elements(array), max(max_size))  
  FOR i = 0, max(max_size)-1 DO BEGIN  
    FOR j = 0, n_elements(array)-1 DO BEGIN  
      IF i GT max_size[j]-1 THEN sData[j,i] = " ELSE $  
      sData[j,i]=(*array[j])[i]  
    ENDFOR  
  ENDFOR  
ENDIF  
  
ndims = size(array, /n_dimensions)  
sz = size(array)  
IF n_elements(columnHeaders) NE 0 THEN BEGIN  
  length = n_elements(columnHeaders)  
  IF length NE sz[ndims] THEN $  
    MESSAGE, 'Column Header Vector Incorrect Size.', /INFORMATIONAL  
ENDIF  
  
IF n_elements(filename) EQ 0 THEN $  
  filename=dialog_pickfile(/WRITE, file='yourdata.csv')  
IF filename EQ " THEN RETURN  
IF n_elements(width) EQ 0 THEN width=1600  
IF type EQ 10 THEN xsizes=n_elements(array) ELSE xsizes=sz[ndims-1]  
  
OPENW, lun, filename, /get_lun, width=width
```

```
IF n_elements(columnHeaders) NE 0 THEN BEGIN
  sColumns = strtrim(columnHeaders,2)
  sColumns[0:xsize-2] = sColumns[0:xsize-2] + ','
  PRINTF, lun, sColumns
ENDIF
```

```
IF type NE 10 THEN sData = strtrim(array,2)

  sData[0:xsize-2,*] = sData[0:xsize-2,*] + ','
  PRINTF, lun, sData
  CLOSE, lun
  FREE_LUN, lun
END
```

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