

```

readSpssSav("benchmarkSpss16.sav",readdata=T)
[1] "warning: unknown type 7 subtype 16 record"
[1] "\001"
[1] "warning: unknown type 7 subtype 17 record"
[1]
"$VariableView('name'\n'type'\n'width'\n'decimals'\n'label'\n'values'\n'mis
sing'\n'columns'\n'alignment'\n'measure'\n'@newAttribute'\n'@stringAttribut
e'\n')originalVersion('1'\n)"
[1] "warning: unknown type 7 subtype 18 record"
[1] "V11:newAttribute('fake variable'\n'another attribute'\n)
/V21:stringAttribute('a string'\n'another attribute'\n)"
$Header
$Header$RecordType
[1] "$FL2"

$Header$ProductName
[1] "@(#) SPSS DATA FILE MS Windows 16.0.1      "

$Header$LayoutCode
[1] 2

$Header$CaseSize
[1] 19

$Header$Compress
[1] 1

$Header$WeightIndex
[1] 0

$Header$NumCases
[1] 3

$Header$Bias
[1] 100

$Header$CreationDate
[1] "27 May 08"

$Header$CreationTime
[1] "16:00:00"

$Header$FileLabel
[1] "Test file      "

$Variables
$Variables$V1
$Variables$V1$`Number missings`
[1] 0

$Variables$V1$`Print fmt`
[1] 0 8 5 0

$Variables$V1$`Write fmt`
[1] 2 8 5 0

$Variables$V1$Varname
[1] "V1      "

$Variables$V1$Varlabel
[1] "Integer"

$Variables$V1$`Missing values`
NULL

$Variables$V1$Typecode
[1] 0

$Variables$V2
$Variables$V2$`Number missings`
[1] 0

```

```
$Variables$V2$`Print fmt`  
[1] 2 8 5 0
```

```
$Variables$V2$`Write fmt`  
[1] 2 8 5 0
```

```
$Variables$V2$Varname  
[1] "V2      "
```

```
$Variables$V2$Varlabel  
[1] "Decimal"
```

```
$Variables$V2$`Missing values`  
NULL
```

```
$Variables$V2$Typecode  
[1] 0
```

```
$Variables$V3  
$Variables$V3$`Number missings`  
[1] 0
```

```
$Variables$V3$`Print fmt`  
[1] 0 8 5 0
```

```
$Variables$V3$`Write fmt`  
[1] 2 8 5 0
```

```
$Variables$V3$Varname  
[1] "V3      "
```

```
$Variables$V3$Varlabel  
[1] "Integer, sysmis"
```

```
$Variables$V3$`Missing values`  
NULL
```

```
$Variables$V3$Typecode  
[1] 0
```

```
$Variables$V6  
$Variables$V6$`Number missings`  
[1] 0
```

```
$Variables$V6$`Print fmt`  
[1] 2 8 5 0
```

```
$Variables$V6$`Write fmt`  
[1] 2 8 5 0
```

```
$Variables$V6$Varname  
[1] "V6      "
```

```
$Variables$V6$Varlabel  
[1] "Decimal, sysmis"
```

```
$Variables$V6$`Missing values`  
NULL
```

```
$Variables$V6$Typecode  
[1] 0
```

```
$Variables$V7  
$Variables$V7$`Number missings`  
[1] 2
```

```
$Variables$V7$`Print fmt`  
[1] 0 8 5 0
```

```
$Variables$V7$`Write fmt`  
[1] 2 8 5 0  
  
$Variables$V7$Varname  
[1] "V7"  
  
$Variables$V7$Varlabel  
[1] "Integer, discrete user missings"  
  
$Variables$V7$`Missing values`  
[1] 1 2  
  
$Variables$V7$Typecode  
[1] 0  
  
$Variables$V8  
$Variables$V8$`Number missings`  
[1] -2  
  
$Variables$V8$`Print fmt`  
[1] 0 8 5 0  
  
$Variables$V8$`Write fmt`  
[1] 2 8 5 0  
  
$Variables$V8$Varname  
[1] "V8"  
  
$Variables$V8$Varlabel  
[1] "Integer, range user missings"  
  
$Variables$V8$`Missing values`  
[1] 1 5  
  
$Variables$V8$Typecode  
[1] 0  
  
$Variables$V9  
$Variables$V9$`Number missings`  
[1] -2  
  
$Variables$V9$`Print fmt`  
[1] 2 8 5 0  
  
$Variables$V9$`Write fmt`  
[1] 2 8 5 0  
  
$Variables$V9$Varname  
[1] "V9"  
  
$Variables$V9$Varlabel  
[1] "Decimal, range user missings"  
  
$Variables$V9$`Missing values`  
[1] 0.1 10.7  
  
$Variables$V9$Typecode  
[1] 0  
  
$Variables$V10  
$Variables$V10$`Number missings`  
[1] 0  
  
$Variables$V10$`Print fmt`  
[1] 0 8 5 0  
  
$Variables$V10$`Write fmt`  
[1] 2 8 5 0  
  
$Variables$V10$Varname
```

```
[1] "V10      "

$Variables$V10$Varlabel
[1] "Integer, value labels"

$Variables$V10$`Missing values`
NULL

$Variables$V10$Typecode
[1] 0

$Variables$V11
$Variables$V11$`Number missings`
[1] 0

$Variables$V11$`Print fmt`
[1] 0 8 5 0

$Variables$V11$`Write fmt`
[1] 2 8 5 0

$Variables$V11$Varname
[1] "V11      "

$Variables$V11$Varlabel
[1] "Integer, value labels, variable attribute"

$Variables$V11$`Missing values`
NULL

$Variables$V11$Typecode
[1] 0

$Variables$V12
$Variables$V12$`Number missings`
[1] 0

$Variables$V12$`Print fmt`
[1] 0 8 1 0

$Variables$V12$`Write fmt`
[1] 0 8 1 0

$Variables$V12$Varname
[1] "V12      "

$Variables$V12$Varlabel
[1] "String"

$Variables$V12$`Missing values`
NULL

$Variables$V12$Typecode
[1] 8

$Variables$V13
$Variables$V13$`Number missings`
[1] 0

$Variables$V13$`Print fmt`
[1] 0 14 1 0

$Variables$V13$`Write fmt`
[1] 0 8 1 0

$Variables$V13$Varname
[1] "V13      "

$Variables$V13$Varlabel
[1] "Long string"
```

```
$Variables$V13$`Missing values`  
NULL
```

```
$Variables$V13$Typecode  
[1] 14
```

```
$Variables$V14  
$Variables$V14$`Number missings`  
[1] 0
```

```
$Variables$V14$`Print fmt`  
[1] 0 -1 1 0
```

```
$Variables$V14$`Write fmt`  
[1] 0 -1 1 0
```

```
$Variables$V14$Varname  
[1] "V14"
```

```
$Variables$V14$Varlabel  
[1] "Very long string"
```

```
$Variables$V14$`Missing values`  
NULL
```

```
$Variables$V14$Typecode  
[1] 255
```

```
$Variables$V15  
$Variables$V15$`Number missings`  
[1] 0
```

```
$Variables$V15$`Print fmt`  
[1] 0 8 1 0
```

```
$Variables$V15$`Write fmt`  
[1] 0 8 1 0
```

```
$Variables$V15$Varname  
[1] "V15"
```

```
$Variables$V15$Varlabel  
[1] "String, value labels"
```

```
$Variables$V15$`Missing values`  
NULL
```

```
$Variables$V15$Typecode  
[1] 8
```

```
$Variables$V16  
$Variables$V16$`Number missings`  
[1] 0
```

```
$Variables$V16$`Print fmt`  
[1] 0 14 1 0
```

```
$Variables$V16$`Write fmt`  
[1] 0 8 1 0
```

```
$Variables$V16$Varname  
[1] "V16"
```

```
$Variables$V16$Varlabel  
[1] "Long string, value labels"
```

```
$Variables$V16$`Missing values`  
NULL
```

```
$Variables$V16$Typecode  
[1] 14
```

```
$Variables$V17  
$Variables$V17$`Number missings`  
[1] 0
```

```
$Variables$V17$`Print fmt`  
[1] 0 -1 1 0
```

```
$Variables$V17$`Write fmt`  
[1] 0 -1 1 0
```

```
$Variables$V17$Varname  
[1] "V17"
```

```
$Variables$V17$Varlabel  
[1] "Very long string, value labels"
```

```
$Variables$V17$`Missing values`  
NULL
```

```
$Variables$V17$Typecode  
[1] 255
```

```
$Variables$V18  
$Variables$V18$`Number missings`  
[1] 1
```

```
$Variables$V18$`Print fmt`  
[1] 0 8 1 0
```

```
$Variables$V18$`Write fmt`  
[1] 0 8 1 0
```

```
$Variables$V18$Varname  
[1] "V18"
```

```
$Variables$V18$Varlabel  
[1] "String, discrete user missings"
```

```
$Variables$V18$`Missing values`  
[1] "aaaa"
```

```
$Variables$V18$Typecode  
[1] 8
```

```
$Variables$V19  
$Variables$V19$`Number missings`  
[1] 1
```

```
$Variables$V19$`Print fmt`  
[1] 0 14 1 0
```

```
$Variables$V19$`Write fmt`  
[1] 0 14 1 0
```

```
$Variables$V19$Varname  
[1] "V19"
```

```
$Variables$V19$Varlabel  
[1] "Long string, discrete user missings"
```

```
$Variables$V19$`Missing values`  
[1] "bbbbbb"
```

```
$Variables$V19$Typecode  
[1] 14
```

```

$Variables$V20
$Variables$V20$`Number missings`
[1] 1

$Variables$V20$`Print fmt`
[1] 0 -1 1 0

$Variables$V20$`Write fmt`
[1] 0 -1 1 0

$Variables$V20$Varname
[1] "V20"

$Variables$V20$Varlabel
[1] "Very long string, discrete user missings"

$Variables$V20$`Missing values`
[1] "cccccccc"

$Variables$V20$Typecode
[1] 255


$Variables$V21
$Variables$V21$`Number missings`
[1] 0

$Variables$V21$`Print fmt`
[1] 0 8 1 0

$Variables$V21$`Write fmt`
[1] 0 8 1 0

$Variables$V21$Varname
[1] "V21"

$Variables$V21$Varlabel
[1] "String, variable attribute"

$Variables$V21$`Missing values`
NULL

$Variables$V21$Typecode
[1] 8


$Mixed
$Mixed$`Value labels`
$Mixed$`Value labels`[[1]]
$Mixed$`Value labels`[[1]]$`Value, label`
[1] "1" "male"

$Mixed$`Value labels`[[1]]$`Value, label`
[1] "2" "female"

$Mixed$`Value labels`[[1]]$`var number(s)`
[1] 8


$Mixed$`Value labels`[[2]]
$Mixed$`Value labels`[[2]]$`Value, label`
[1] "1" "male"

$Mixed$`Value labels`[[2]]$`Value, label`
[1] "2" "female"

$Mixed$`Value labels`[[2]]$`var number(s)`
[1] 9


$Mixed$`Value labels`[[3]]
$Mixed$`Value labels`[[3]]$`Value, label`

```

```
[1] "aaaaaaaa" "a8"
```

```
$Mixed$`Value labels`[[3]]$`var number(s)`  
[1] 13
```

```
$Mixed$`Sysmis, highest, lowest`  
[1] -1.797693e+308 1.797693e+308 -1.797693e+308
```

```
$Mixed$`Major, minor, revision, floating, endianness, character`  
[1] 16 0 1 1 2 1252
```

```
$Mixed$`Short and long varnames`  
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V1" "V1"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V2" "V2"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V3" "V3"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V6" "V6"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V7" "V7"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V8" "V8"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V9" "V9"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V10" "V10"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V11" "V11"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V12" "V12"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V13" "V13"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V14" "V14"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V15" "V15"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V16" "V16"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V17" "V17"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V18" "V18"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V19" "V19"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V20" "V20"
```

```
$Mixed$`Short and long varnames`$`Short, long`  
[1] "V21" "V21"
```

```
$Mixed$`Variable sets`
```


10

[illegible]