```
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)originalVersione('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 16.0.2                      "

$Header$LayoutCode
[1] 2

$Header$CaseSize
[1] 20

$Header$Compress
[1] 1

$Header$WeightIndex
[1] 0

$Header$NumCases
[1] 3

$Header$Bias
[1] 100

$Header$CreationDate
[1] "23 Jun 08"

$Header$CreationTime
[1] "16:21:00"

$Header$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


$Variables$V22
$Variables$V22$`Number missings`
[1] 1

$Variables$V22$`Print fmt`
[1]  0 14  1  0

$Variables$V22$`Write fmt`
[1] 0 8 1 0

$Variables$V22$Varname
[1] "V22     "

$Variables$V22$Varlabel
[1] "Long string, discrete user missings,copia"

$Variables$V22$`Missing values`
[1] "bbbbbb  "

$Variables$V22$Typecode
[1] 14


$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    2    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"

$Mixed$`Short and long varnames`$`Short, long`
[1] "V22" "V22"


$Mixed$`Variable sets`
$Mixed$`Variable sets`$`Set, varnames`
[1] "test"      " v1 v2 v3"

$Mixed$`Variable sets`$`Set, varnames`
[1] "another"   " v6 v1 v9"


$Mixed$`Very long variables`
$Mixed$`Very long variables`$`Varname, length`
[1] "V14" "260"

$Mixed$`Very long variables`$`Varname, length`
[1] "V17" "260"

$Mixed$`Very long variables`$`Varname, length`
[1] "V20" "260"


$Mixed$Document
[1] "Test file.
New SPSS 16.0 features.
(Entered 27-May-2008)
"

$Mixed$Trend
NULL

$Mixed$Display
 [1]  3  3  1  3  4  1  3  3  1  3  3  1  3  3  1  3  3  1  3  4  1  3  3
  1  3  2  1  1  7  0  1  6  0  1 10  0  1 10  0  1  8  0  1 12  0  1  8  0
  1  8  0  1  8  0  1  8
[57]  0  1  8  0  1  8  0  1  8  0  1  8  0

$Mixed$`Strings' value labels `
$Mixed$`Strings' value labels `[[1]]
$Mixed$`Strings' value labels `[[1]][[1]]
[1] "V16"

$Mixed$`Strings' value labels `[[1]][[2]]
[1] "bbbbbbbbbbbbb" "ccccccccccccc"

$Mixed$`Strings' value labels `[[1]][[3]]
[1] "b14" "c14"


$Mixed$`Strings' value labels `[[2]]
$Mixed$`Strings' value labels `[[2]][[1]]
```

```
[1] "V17"

$Mixed$`Strings' value labels `[[2]][[2]]
[1]
"cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccc"

$Mixed$`Strings' value labels `[[2]][[3]]
[1] "c260"


$Mixed$`Strings' value labels `[[3]]
$Mixed$`Strings' value labels `[[3]][[1]]
[1] "V19"

$Mixed$`Strings' value labels `[[3]][[2]]
[1] "bbbbbb        "

$Mixed$`Strings' value labels `[[3]][[3]]
[1] "valore mancante"


$Mixed$`Strings' value labels `[[4]]
$Mixed$`Strings' value labels `[[4]][[1]]
[1] "V22"

$Mixed$`Strings' value labels `[[4]][[2]]
[1] "bbbbbb        "

$Mixed$`Strings' value labels `[[4]][[3]]
[1] "valore mancante"



$Mixed$Encoding
[1] "windows-1252"

$Mixed$Other
[1] ""


$Data
 [1] "1"
 [2] "1.2"
 [3] "1"
 [4] "1.2"
 [5] "1"
 [6] "7"
 [7] "0"
 [8] "1"
 [9] "1"
[10] "aaaaaaaa"
[11] "bbbbbbbbbbbbbb"
[12]
"cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccc"
[13] "aaaaaaaa"
[14] "bbbbbbbbbbbbbb"
[15]
"cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccc"
[16] "aaaaaaaa"
[17] "bbbbbbbbbbbbbb"
[18]
"cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
```

```
cccccc"
[19] "aaaaaaaa"
[20] "bbbbbbbbbbbbbb"
[21] "2"
[22] "2.4"
[23] "2"
[24] "-1.79769313486232e+308"
[25] "2"
[26] "3"
[27] "8.2"
[28] "2"
[29] "2"
[30] "aaaaaaaa"
[31] "bbbbbbbbbbbbbb"
[32]
"cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccc"
[33] "aaaaaaaa"
[34] "cccccccccccccc"
[35]
"cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccc"
[36] "aaaa"
[37] "bbbbbb"
[38] "cccccccc"
[39] "aaaaaaaa"
[40] "bbbbbb"
[41] "1"
[42] "1.2"
[43] "-1.79769313486232e+308"
[44] "2.4"
[45] "3"
[46] "8"
[47] "15.6"
[48] "1"
[49] "1"
[50] "aaaaaaaa"
[51] "bbbbbbbbbbbbbb"
[52]
"cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccc"
[53] "aaaaaaaa"
[54] "bbbbbbbbbbbbbb"
[55]
"cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccc"
[56] "aaaaaaaa"
[57] "bbbbbbbbbbbbbb"
[58]
"cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccccc
cccccc"
[59] "aaaaaaaa"
[60] "bbbbbbbbbbbbbb"

>
```

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