ascii

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ascii
by David Hajage

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ascii is a R package for writing asciidoc or txt2tags document with embeded R commands.

1 news

1.1 2009/07/16

- version 0.2
- digit and format accept matrix, (each cell can have its own number of digits a nd format)
- new arguments (`cgroup`, `rgroup`, ...) to define major column and row heading s like in Hmisc::latex() (only for asciidoc output)
- column style and alignment use cell specifiers
- remove SweaveSyntaxAscii (bug when `]` is used inside `Sexpr:[]`)

1.2 2009/05/11

- `\SweaveOpts{}` now works
- add `SweaveSyntaxAscii` (`SweaveOpts:[]`,`Sexpr:[]`)
- add a simple wrapper for `Sweave()` (`SweaveAscii()`) that use `RweaveAsciidoc` and `SweaveSyntaxAscii` as default

1.3 2009/04/27

- add a `caption.level` argument
- improve `ascii.describe` output (package `Hmisc`)

1.4 2009/04/08

- update DESCRIPTION (with homepage)
- support for `describe` function in package `Hmisc`

2 short example

```
<<>>=
x <- matrix(1:4, 2, 2)
x
@
```

gives :

```
> x <- matrix(1:4, 2, 2)
> x
     [,1] [,2]
[1,]    1    3
[2,]    2    4
```

```
<<results=ascii,echo=FALSE>>=
ascii(x, caption = "A simple matrix", width = 30)
@
```

gives :

Table 1 A simple matrix

1.00	3.00
2.00	4.00

3 what ascii provides

ascii provided :

- a generic method for common R objects: `ascii()`. Default argument depends of R object,
- two Sweave drivers: `Sweave("yourfile.Rnw", RweaveAsciidoc())` or `Sweave("yourfile.Rnw", RweaveT2t())`,
- a simple wrapper for `Sweave()` names `SweaveAscii()` that uses `RweaveAsciidoc()` as default.

4 ascii manual

5 ascii examples

ascii provides methods for:

```
> methods(ascii)
 [1] ascii.anova*          ascii.aov*            ascii.aovlist*
 [4] ascii.cast_df*        ascii.character*      ascii.coxph*
 [7] ascii.data.frame*     ascii.default*        ascii.density*
[10] ascii.describe*       ascii.describe.single* ascii.factor*
[13] ascii.glm*            ascii.htest*          ascii.integer*
[16] ascii.list*           ascii.lm*             ascii.matrix*
[19] ascii.numeric*        ascii.prcomp*         ascii.simple.list*
[22] ascii.smooth.spline*  ascii.summary.aov*    ascii.summary.aovlist*
[25] ascii.summary.glm*    ascii.summary.lm*     ascii.summary.prcomp*
[28] ascii.summary.table*  ascii.survdiff*       ascii.table*
[31] ascii.ts*             ascii.zoo*

   Non-visible functions are asterisked
```

5.1 vector

```
> ascii(1:4)
|===========================
| 1.00 | 2.00 | 3.00 | 4.00
|===========================
```

1.00	2.00	3.00	4.00

5.2 matrix

```
> ascii(VADeaths, include.rownames = T, include.colnames = T, caption = "VADeaths ↩
    ",
+     header = T, col.width = c(1, 2, 2, 2, 2, 2), valign = "middle",
+     align = "lrrrr", frame = "topbot")
.VADeaths
[frame="topbot",valign="middle",options="header",cols="1,2,2,2,2,2"]
|=======================================================================
<.^|       >.^| Rural Male >.^| Rural Female >.^| Urban Male >.^| Urban Female
<.^| 50-54 >.^| 11.70      >.^| 8.70         >.^| 15.40      >.^| 8.40
<.^| 55-59 >.^| 18.10      >.^| 11.70        >.^| 24.30      >.^| 13.60
<.^| 60-64 >.^| 26.90      >.^| 20.30        >.^| 37.00      >.^| 19.30
<.^| 65-69 >.^| 41.00      >.^| 30.90        >.^| 54.60      >.^| 35.10
<.^| 70-74 >.^| 66.00      >.^| 54.30        >.^| 71.10      >.^| 50.00
|=======================================================================
```

Table 2 ascii

`x`	An R object of class found among `methods(ascii)`.
`include.r-ownames`	logical. If `TRUE` the rows names are printed. Default value depends of class of `x`.
`include.c-olnames`	logical. If `TRUE` the columns names are printed. Default value depends of class of `x`.
`format`	Character vector of length equal to the number of columns of the resulting table (otherwise it will be replicated or truncated as necessary) indicating the format for the corresponding columns. These values are passed to the `formatC` function. Use `"d"` (for integers), `"f"`, `"e"`, `"E"`, `"g"`, `"G"`, `"fg"` (for reals), or `"s"` (for strings). `"f"` gives numbers in the usual `xxx.xxx` format; `"e"` and `"E"` give `n.ddde+nn` or `n.dddE+nn` (scientific format); `"g"` and `"G"` put `x[i]` into scientific format only if it saves space to do so. `"fg"` uses fixed format as `"f"`, but `digits` as number of *significant* digits. Note that this can lead to quite long result strings. Default depends on the class of `x`.
`digits`	Numeric vector of length equal to the number of columns of the resulting table (otherwise it will be replicated or truncated as necessary) indicating the number of digits to display in the corresponding columns. Default is `2`. decimal.mark: The character to be used to indicate the numeric decimal point. Default is `"."`.
`na.print`	The character string specifying how `NA` should be formatted specially. Default is "".
`caption`	Character vector of length 1 containing the table+s caption or title. Set to `""` to suppress the caption. Default value is `""`.
`caption.l-evel`	Character or numeric vector of length 1 containing the \code{"."} (block titles in asciidoc markup), \code{"s"} (strong), \code{"e"} (emphasis), \code{"m"} (monospaced) or \code{""} (no markup). Default is \code{"."}.
`width`	Numeric vector of length one containing the table width relative to the available width (expressed as a percentage value, `1... 99`). Default is `0` (all available width).
`frame`	Character vector of length one. Defines the table border, and can take the following values: `"topbot"` (top and bottom), `"all"` (all sides), `"none"` and `"sides"` (left and right). The default value is `""`.
`grid`	Character vector of length one. Defines which ruler lines are drawn between table rows and columns, and can take the following values: `"all"`, `"rows"`, `"cols"` and `"none"`. Default is `""`.
`valign`	Character vector of length one indicating vertical alignment of all cells in table. Can take the following values: `"top"`, `"bottom"` and `"middle"`. Default is `""`.
`header`	logical. If `TRUE` the first line of the table is emphasized. The default value depends of class of `x`.
`footer`	logical. If `TRUE` the last line of the table is emphasized. The default value depends of class of `x`.
`align`	Character vector of length one indicating the alignment of the corresponding columns. Can be composed with `"r"` (right), `"l"` (left) and `"c"` (center). Default value is `""`.
`col.width`	Numeric vector of length equal to the number of columns of the resulting table (otherwise it will be replicated or truncated as necessary) indicating width of the corresponding columns (integer proportional values). Default is `1`.
	Character vector of length one indicating the style of the corresponding columns. Can be composed with `"d"` (default), `"e"` (emphasis), `"m"` (monospaced), `"a"`

Table 3 print.ascii

`x`	An object of class `"ascii"`
`type`	Type of syntax produce. Possible values for `type` are `"asciidoc"`, `"t2t"` or `"textile"`. Default value produce AsciiDoc syntax.
`...`	Additional arguments. (Currently ignored.)

Table 4 VADeaths

	Rural Male	**Rural Female**	**Urban Male**	**Urban Female**
50-54	11.70	8.70	15.40	8.40
55-59	18.10	11.70	24.30	13.60
60-64	26.90	20.30	37.00	19.30
65-69	41.00	30.90	54.60	35.10
70-74	66.00	54.30	71.10	50.00

5.3 data.frame

```
> ascii(iris[1:10, ], include.rownames = F, caption = "iris", width = 75,
+     align = "c", valign = "bottom", frame = "topbot", grid = "none")
.iris
[frame="topbot",grid="none",valign="bottom",options="header",width="75%"]
|================================================================================== ↩

^.>| Sepal.Length ^.>| Sepal.Width ^.>| Petal.Length ^.>| Petal.Width ^.>|  ↩
    Species
^.>| 5.10         ^.>| 3.50        ^.>| 1.40         ^.>| 0.20        ^.>| setosa
^.>| 4.90         ^.>| 3.00        ^.>| 1.40         ^.>| 0.20        ^.>| setosa
^.>| 4.70         ^.>| 3.20        ^.>| 1.30         ^.>| 0.20        ^.>| setosa
^.>| 4.60         ^.>| 3.10        ^.>| 1.50         ^.>| 0.20        ^.>| setosa
^.>| 5.00         ^.>| 3.60        ^.>| 1.40         ^.>| 0.20        ^.>| setosa
^.>| 5.40         ^.>| 3.90        ^.>| 1.70         ^.>| 0.40        ^.>| setosa
^.>| 4.60         ^.>| 3.40        ^.>| 1.40         ^.>| 0.30        ^.>| setosa
^.>| 5.00         ^.>| 3.40        ^.>| 1.50         ^.>| 0.20        ^.>| setosa
^.>| 4.40         ^.>| 2.90        ^.>| 1.40         ^.>| 0.20        ^.>| setosa
^.>| 4.90         ^.>| 3.10        ^.>| 1.50         ^.>| 0.10        ^.>| setosa
|================================================================================== ↩
```

Table 5 iris

Sepal.Length	**Sepal.Width**	**Petal.Length**	**Petal.Width**	**Species**
5.10	3.50	1.40	0.20	setosa
4.90	3.00	1.40	0.20	setosa
4.70	3.20	1.30	0.20	setosa
4.60	3.10	1.50	0.20	setosa
5.00	3.60	1.40	0.20	setosa
5.40	3.90	1.70	0.40	setosa
4.60	3.40	1.40	0.30	setosa
5.00	3.40	1.50	0.20	setosa
4.40	2.90	1.40	0.20	setosa
4.90	3.10	1.50	0.10	setosa

5.4 row (and col) headings

```
> library(reshape)
> ff_d <- melt(french_fries, id = 1:4, na.rm = TRUE)
> toto <- cast(ff_d, treatment + subject ~ variable, mean, margins = "treatment")
> ascii(toto[, -1], rgroup = c("Treatment", paste("Treatment:",
+     as.character(unique(toto[, 1])))), n.rgroup = c(1, table(toto[,
+     1])), rstyle = "s", rvalign = "middle")
[options="header"]
|============================================================================
.1+.^s| Treatment | subject | potato | buttery | grassy | rancid | painty
.13+.^s| Treatment: 1 | 3       | 6.22   | 0.37    | 0.19   | 2.11   | 3.11
| 10      | 9.96   | 6.75    | 0.58   | 4.02   | 1.38
| 15      | 3.36   | 0.72    | 0.42   | 3.96   | 3.26
| 16      | 6.50   | 3.26    | 0.76   | 4.12   | 1.23
| 19      | 9.38   | 3.06    | 2.02   | 5.36   | 2.77
| 31      | 8.84   | 0.44    | 0.09   | 5.94   | 3.21
| 51      | 10.68  | 2.64    | 1.05   | 5.15   | 1.96
| 52      | 5.06   | 0.81    | 0.88   | 4.29   | 2.65
| 63      | 6.78   | 0.03    | 0.00   | 6.05   | 3.85
| 78      | 3.62   | 0.73    | 0.54   | 1.50   | 3.49
| 79      | 8.06   | 0.28    | 0.34   | 0.57   | 0.00
| 86      | 4.18   | 1.77    | 0.81   | 5.49   | 4.11
| (all)   | 6.89   | 1.78    | 0.65   | 4.07   | 2.58
.13+.^s| Treatment: 2 | 3       | 6.74   | 0.59    | 0.11   | 3.14   | 2.48
| 10      | 9.99   | 6.98    | 0.47   | 2.15   | 0.82
| 15      | 4.41   | 1.31    | 0.34   | 2.29   | 2.06
| 16      | 6.45   | 3.37    | 1.05   | 3.40   | 0.46
| 19      | 8.64   | 2.45    | 1.14   | 5.41   | 4.16
| 31      | 8.03   | 0.62    | 0.16   | 6.05   | 5.06
| 51      | 9.98   | 3.79    | 1.57   | 4.67   | 2.25
| 52      | 5.51   | 1.02    | 1.18   | 4.22   | 2.19
| 63      | 8.41   | 0.10    | 0.01   | 5.09   | 4.36
| 78      | 3.78   | 0.29    | 0.76   | 1.55   | 2.73
| 79      | 7.94   | 0.69    | 0.26   | 1.03   | 0.00
| 86      | 3.99   | 2.06    | 0.78   | 4.52   | 2.84
| (all)   | 7.00   | 1.97    | 0.66   | 3.62   | 2.46
.13+.^s| Treatment: 3 | 3       | 5.29   | 0.77    | 0.09   | 2.86   | 2.87
| 10      | 10.03  | 6.45    | 0.14   | 3.11   | 0.69
| 15      | 3.96   | 0.99    | 0.44   | 2.55   | 2.37
| 16      | 6.86   | 2.70    | 1.12   | 3.20   | 0.56
| 19      | 8.74   | 1.73    | 2.07   | 7.24   | 3.90
| 31      | 9.03   | 0.65    | 0.17   | 6.58   | 5.13
| 51      | 10.22  | 3.13    | 1.35   | 4.92   | 2.54
| 52      | 5.47   | 0.86    | 0.77   | 3.16   | 2.66
| 63      | 8.06   | 0.07    | 0.12   | 6.18   | 3.10
| 78      | 4.00   | 0.70    | 0.67   | 1.19   | 3.52
| 79      | 7.73   | 0.57    | 0.12   | 1.18   | 0.03
| 86      | 3.87   | 1.63    | 0.94   | 4.11   | 3.03
| (all)   | 6.97   | 1.72    | 0.68   | 3.87   | 2.53
.0+.^s| Treatment NA
|============================================================================
```

Treatment	subject	potato	buttery	grassy	rancid	painty
Treatment: 1	3	6.22	0.37	0.19	2.11	3.11
	10	9.96	6.75	0.58	4.02	1.38
	15	3.36	0.72	0.42	3.96	3.26
	16	6.50	3.26	0.76	4.12	1.23
	19	9.38	3.06	2.02	5.36	2.77
	31	8.84	0.44	0.09	5.94	3.21
	51	10.68	2.64	1.05	5.15	1.96
	52	5.06	0.81	0.88	4.29	2.65
	63	6.78	0.03	0.00	6.05	3.85
	78	3.62	0.73	0.54	1.50	3.49
	79	8.06	0.28	0.34	0.57	0.00

Treatment	subject	potato	buttery	grassy	rancid	painty
	86	4.18	1.77	0.81	5.49	4.11
	(all)	6.89	1.78	0.65	4.07	2.58
Treatment: 2	3	6.74	0.59	0.11	3.14	2.48
	10	9.99	6.98	0.47	2.15	0.82
	15	4.41	1.31	0.34	2.29	2.06
	16	6.45	3.37	1.05	3.40	0.46
	19	8.64	2.45	1.14	5.41	4.16
	31	8.03	0.62	0.16	6.05	5.06
	51	9.98	3.79	1.57	4.67	2.25
	52	5.51	1.02	1.18	4.22	2.19
	63	8.41	0.10	0.01	5.09	4.36
	78	3.78	0.29	0.76	1.55	2.73
	79	7.94	0.69	0.26	1.03	0.00
	86	3.99	2.06	0.78	4.52	2.84
	(all)	7.00	1.97	0.66	3.62	2.46
Treatment: 3	3	5.29	0.77	0.09	2.86	2.87
	10	10.03	6.45	0.14	3.11	0.69
	15	3.96	0.99	0.44	2.55	2.37
	16	6.86	2.70	1.12	3.20	0.56
	19	8.74	1.73	2.07	7.24	3.90
	31	9.03	0.65	0.17	6.58	5.13
	51	10.22	3.13	1.35	4.92	2.54
	52	5.47	0.86	0.77	3.16	2.66
	63	8.06	0.07	0.12	6.18	3.10
	78	4.00	0.70	0.67	1.19	3.52
	79	7.73	0.57	0.12	1.18	0.03
	86	3.87	1.63	0.94	4.11	3.03
	(all)	6.97	1.72	0.68	3.87	2.53

5.5 summary.table

```
> ascii(summary(table(1:4, 1:4)))
* Number of cases in table: 4
* Number of factors: 2
* Test for independence of all factors:
** Chisq = 12, df = 9, p-value = 0.2133
** Chi-squared approximation may be incorrect
```

- Number of cases in table: 4
- Number of factors: 2
- Test for independence of all factors:
    - Chisq = 12, df = 9, p-value = 0.2133
    - Chi-squared approximation may be incorrect

5.6 labeled list

```
> ascii(version)
platform::
   i486-pc-linux-gnu
arch::
  i486
os::
  linux-gnu
system::
  i486, linux-gnu
status::

major::
  2
minor::
  9.1
year::
  2009
month::
  06
day::
  26
svn rev::
  48839
language::
  R
version.string::
  R version 2.9.1 (2009-06-26)
```

platform i486-pc-linux-gnu

arch i486

os linux-gnu

system i486, linux-gnu

status , major 2

minor 9.1

year 2009

month 06

day 26

svn rev 48839

language R

version.string R version 2.9.1 (2009-06-26)

5.7 glm

```
> counts <- c(18, 17, 15, 20, 10, 20, 25, 13, 12)
> outcome <- gl(3, 1, 9)
> treatment <- gl(3, 3)
> d.AD <- data.frame(treatment, outcome, counts)
> glm.D93 <- glm(counts ~ outcome + treatment, family = poisson())
> glm.D93
Call:  glm(formula = counts ~ outcome + treatment, family = poisson())

Coefficients:
(Intercept)     outcome2     outcome3   treatment2   treatment3
  3.045e+00   -4.543e-01   -2.930e-01    8.717e-16    4.557e-16

Degrees of Freedom: 8 Total (i.e. Null);  4 Residual
Null Deviance:      10.58
Residual Deviance: 5.129        AIC: 56.76
> ascii(glm.D93, caption = "glm.D93")
.glm.D93
[options="header"]
|===========================================================
|             | Estimate | Std. Error | z value | Pr(>\|z\|)
| (Intercept) | 3.04     | 0.17       | 17.81   | 0.00
| outcome2    | -0.45    | 0.20       | -2.25   | 0.02
| outcome3    | -0.29    | 0.19       | -1.52   | 0.13
| treatment2  | 0.00     | 0.20       | 0.00    | 1.00
| treatment3  | 0.00     | 0.20       | 0.00    | 1.00
|===========================================================
> ascii(anova(glm.D93), caption = "anova glm.D93", include.rownames = T)
.anova glm.D93
[options="header"]
|=====================================================
|           | Df   | Deviance | Resid. Df | Resid. Dev
| NULL      |      |          | 8.00      | 10.58
| outcome   | 2.00 | 5.45     | 6.00      | 5.13
| treatment | 2.00 | 0.00     | 4.00      | 5.13
|=====================================================
```

Table 6 glm.D93

	Estimate	**Std. Error**	**z value**	**Pr(>|z|)**
(Intercept)	3.04	0.17	17.81	0.00
outcome2	-0.45	0.20	-2.25	0.02
outcome3	-0.29	0.19	-1.52	0.13
treatment2	0.00	0.20	0.00	1.00
treatment3	0.00	0.20	0.00	1.00

Table 7 anova glm.D93

	Df	**Deviance**	**Resid. Df**	**Resid. Dev**
NULL			8.00	10.58
outcome	2.00	5.45	6.00	5.13
treatment	2.00	0.00	4.00	5.13

5.8 describe

```
> library(Hmisc)
> label(esoph$agegp) <- "Age group"
> label(esoph$alcgp) <- "Alcohol group"
> label(esoph$tobgp) <- "Tobacco group"
> label(esoph$ncontrols) <- "Number of control"
> label(esoph$age) <- "Age"
> units(esoph$age) <- "Years"
> ascii(describe(esoph))
.esoph
* 6 Variable
* 88 Observations

*agegp : Age group*

|======================
| n  | missing | unique
| 88 | 0       | 6
|======================

|========================================================
|           | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75+
| Frequency | 15    | 15    | 16    | 16    | 15    | 11
| %         | 17    | 17    | 18    | 18    | 17    | 12
|========================================================
*alcgp : Alcohol group*

|======================
| n  | missing | unique
| 88 | 0       | 4
|======================

0-39g/day (23, 26%), 40-79 (23, 26%), 80-119 (21, 24%), 120+ (21, 24%)

*tobgp : Tobacco group*

|======================
| n  | missing | unique
| 88 | 0       | 4
|======================

0-9g/day (24, 27%), 10-19 (24, 27%), 20-29 (20, 23%), 30+ (20, 23%)

*ncases*

|=========================================================================
| n  | missing | unique | Mean  | .05 | .10 | .25 | .50 | .75 | .90 | .95
| 88 | 0       | 10     | 2.273 | 0.0 | 0.0 | 0.0 | 1.0 | 4.0 | 5.3 | 6.0
|=========================================================================

|========================================================
|           | 0  | 1  | 2  | 3  | 4 | 5 | 6 | 8 | 9 | 17
| Frequency | 29 | 16 | 11 | 9  | 8 | 6 | 5 | 1 | 2 | 1
| %         | 33 | 18 | 12 | 10 | 9 | 7 | 6 | 1 | 2 | 1
|========================================================

*ncontrols : Number of control*

|================================================================================
| n  | missing | unique | Mean  | .05  | .10  | .25  | .50  | .75  | .90  | .95
| 88 | 0       | 30     | 11.08 |  1.0 |  1.0 |  3.0 |  6.0 | 14.0 | 29.1 | 40.0
|================================================================================

lowest:  1  2  3  4  5, highest: 40 46 48 49 60

*age : Age [Years]*

|======================
| n  | missing | unique
| 88 | 0       | 6
|======================

|=========================================================
|           | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75+
| Frequency | 15    | 15    | 16    | 16    | 15    | 11
| %         | 17    | 17    | 18    | 18    | 17    | 12
|=========================================================
```

ESOPH

- 6 Variable
- 88 Observations

agegp : Age group

n	missing	unique
88	0	6

	25-34	35-44	45-54	55-64	65-74	75+
Frequency	15	15	16	16	15	11
%	17	17	18	18	17	12

alcgp : Alcohol group

n	missing	unique
88	0	4

0-39g/day (23, 26%), 40-79 (23, 26%), 80-119 (21, 24%), 120+ (21, 24%)
tobgp : Tobacco group

n	missing	unique
88	0	4

0-9g/day (24, 27%), 10-19 (24, 27%), 20-29 (20, 23%), 30+ (20, 23%)
ncases

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
88	0	10	2.273	0.0	0.0	0.0	1.0	4.0	5.3	6.0

	0	1	2	3	4	5	6	8	9	17
Frequency	29	16	11	9	8	6	5	1	2	1
%	33	18	12	10	9	7	6	1	2	1

ncontrols : Number of control

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
88	0	30	11.08	1.0	1.0	3.0	6.0	14.0	29.1	40.0

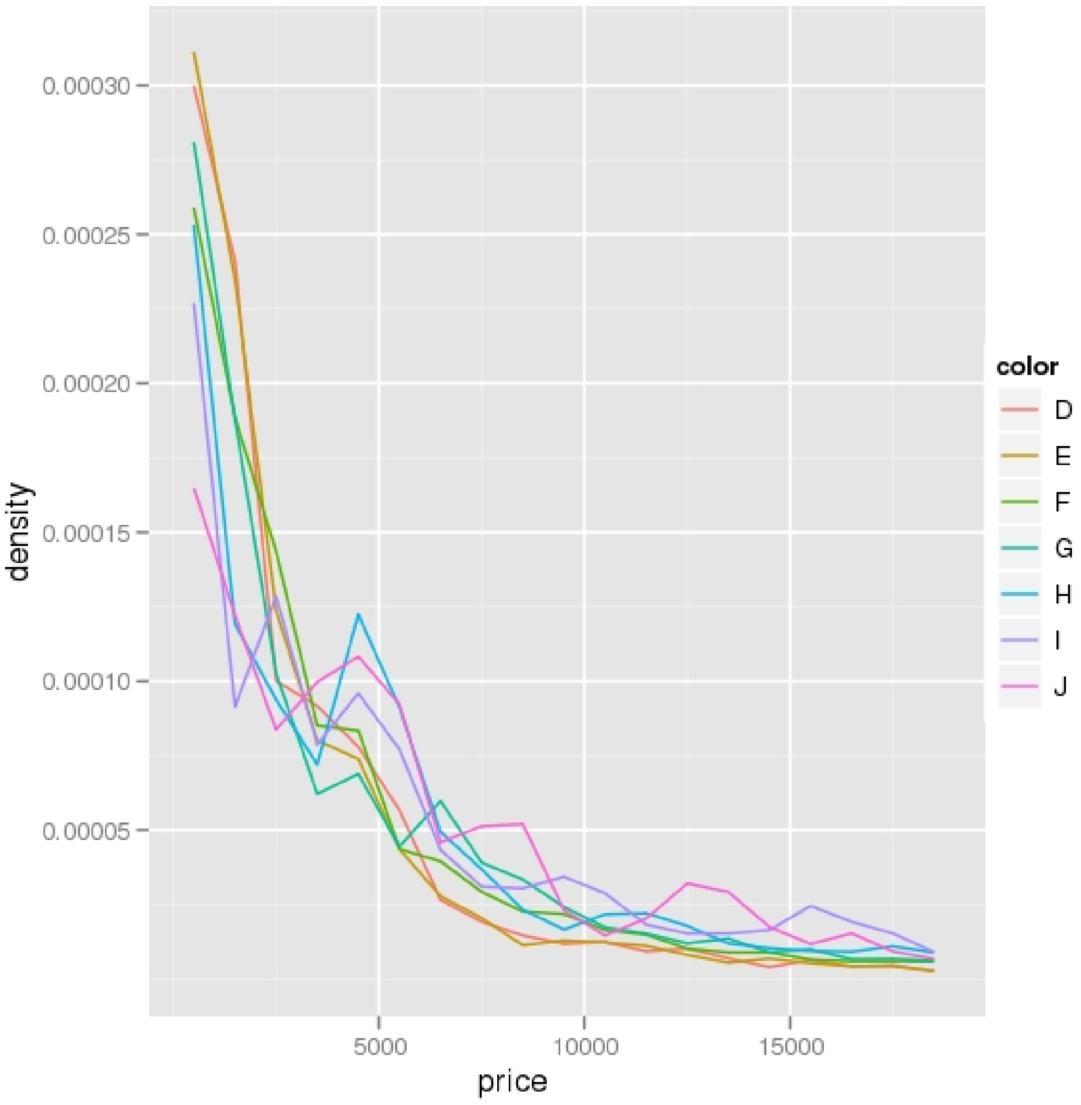
lowest: 1 2 3 4 5, highest: 40 46 48 49 60
age : Age [Years]

n	missing	unique
88	0	6

	25-34	35-44	45-54	55-64	65-74	75+
Frequency	15	15	16	16	15	11
%	17	17	18	18	17	12

5.9 plot

```
> library(ggplot2)
> p <- qplot(price, ..density.., data = diamonds, geom = "freqpoly",
+     binwidth = 1000, colour = color)
> print(p)
```



5.10 txt2tags

```
> library(reshape)
> names(airquality) <- tolower(names(airquality))
> aqm <- melt(airquality, id = c("month", "day"), na.rm = TRUE)
> res <- cast(aqm, month ~ variable, mean, margins = "grand_row")
> res
  month    ozone  solar.r      wind     temp
1     5 23.61538 181.2963 11.622581 65.54839
2     6 29.44444 190.1667 10.266667 79.10000
3     7 59.11538 216.4839  8.941935 83.90323
4     8 59.96154 171.8571  8.793548 83.96774
5     9 31.44828 167.4333 10.180000 76.90000
6 (all) 42.12931 185.9315  9.957516 77.88235
> print(ascii(res), "t2t")
|| month | ozone | solar.r | wind  | temp  |
| 5     | 23.62 | 181.30  | 11.62 | 65.55 |
| 6     | 29.44 | 190.17  | 10.27 | 79.10 |
| 7     | 59.12 | 216.48  | 8.94  | 83.90 |
| 8     | 59.96 | 171.86  | 8.79  | 83.97 |
| 9     | 31.45 | 167.43  | 10.18 | 76.90 |
| (all) | 42.13 | 185.93  | 9.96  | 77.88 |
```

6 convert

`Sweave` process creates a `yourdocument.txt` file from `yourdocument.Rnw`.

```
Sweave("youdocument.Rnw", RweaveXxx)
```

You can convert it to html format with the following command:

```
asciidoc yourdocument.txt
or
txt2tags -t html yourdocument.t2t
```

or to xhtml, docbook, man, tex...

For example, you can see the source of this documentation, the file generated by Sweave, the same file in docbook format, the same file converted to pdf with dblatex, and the same file converted to odt with docbook2odf.

7 more informations

- asciidoc: http://www.methods.co.nz/asciidoc
- txt2tags: http://txt2tags.sourceforge.net

8 ascii for real

- Derek H. Ogle has written some vignettes for the book 'Analysis and Interpretation of Freshwater Fisheries Data' using ascii.