

R Table PDF

```
library("stargazer")
library("dplyr")
library("nycflights13")
library("AER") # Applied Econometrics with R

daily <- flights %>%
  filter(origin == "EWR") %>%
  group_by(year, month, day) %>%
  summarise(delay = mean(dep_delay, na.rm = TRUE))

daily_weather <- weather %>%
  filter(origin == "EWR") %>%
  group_by(year, month, day) %>%
  summarise(temp = mean(temp, na.rm = TRUE),
            wind = mean(wind_speed, na.rm = TRUE),
            precip = sum(precip, na.rm = TRUE))

# Merge flights with weather data frames
both <- inner_join(daily, daily_weather) %>%
  data.frame() # Temporary fix

# Create an indicator for quarter
both$quarter <- cut(both$month, breaks = c(0, 3, 6, 9, 12),
                  labels = c("1", "2", "3", "4"))

# Create a vector of class logical
both$hot <- as.logical(both$temp > 85)

head(both)
```

	year	month	day	delay	temp	wind	precip	quarter	hot
1	2013	1	1	17.483553	38.4800	12.758648	0	1	FALSE
2	2013	1	2	25.322674	28.8350	12.514732	0	1	FALSE
3	2013	1	3	8.450450	29.4575	7.863663	0	1	FALSE
4	2013	1	4	12.103858	33.4775	13.857309	0	1	FALSE
5	2013	1	5	5.696203	36.7325	10.836512	0	1	FALSE
6	2013	1	6	12.383333	37.9700	8.007511	0	1	FALSE

The default summary statistics table

```
stargazer(both, type = "latex")
```

% Table created by stargazer v.5.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
% Date and time: Wed, Mar 22, 2017 - 00:27:22

When supplied a data frame, by default stargazer creates a table with summary statistics. If the **summary** option is set to FALSE then stargazer will instead print the contents of the data frame.

```
# Use only a few rows
both2 <- both %>% slice(1:6)
```

Table 1:

Statistic	N	Mean	St. Dev.	Min	Max
year	364	2,013.000	0.000	2,013	2,013
month	364	6.511	3.445	1	12
day	364	15.679	8.784	1	31
delay	364	15.080	13.883	-1.349	97.771
temp	364	55.481	17.581	15.492	91.168
wind	364	9.339	4.363	2.014	55.669
precip	364	0.073	0.214	0.000	1.890
hot	364	0.022	0.147	0	1

```
stargazer(both2, type = "latex", summary = FALSE, rownames = FALSE)
```

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Table 2:

year	month	day	delay	temp	wind	precip	quarter	hot
2,013	1	1	17.484	38.480	12.759	0	1	FALSE
2,013	1	2	25.323	28.835	12.515	0	1	FALSE
2,013	1	3	8.450	29.457	7.864	0	1	FALSE
2,013	1	4	12.104	33.477	13.857	0	1	FALSE
2,013	1	5	5.696	36.733	10.837	0	1	FALSE
2,013	1	6	12.383	37.970	8.008	0	1	FALSE

Change which statistics are displayed

In order to customize which summary statistics are displayed, change any of the the following (logical) parameters, `nobs`, `mean.sd`, `min.max`, `median`, and `iqr`.

```
stargazer(both, type = "latex", nobs = FALSE, mean.sd = TRUE, median = TRUE, iqr = TRUE)
```

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Table 3:

Statistic	Mean	St. Dev.	Min	Pctl(25)	Median	Pctl(75)	Max
year	2,013.000	0.000	2,013	2,013	2,013	2,013	2,013
month	6.511	3.445	1	4	7	9.2	12
day	15.679	8.784	1	8	16	23	31
delay	15.080	13.883	-1.349	5.446	10.501	20.007	97.771
temp	55.481	17.581	15.492	39.873	56.960	71.570	91.168
wind	9.339	4.363	2.014	6.557	8.847	11.556	55.669
precip	0.073	0.214	0.000	0.000	0.000	0.020	1.890
hot	0.022	0.147	0	0	0	0	1

Change which statistics are displayed (a second way)

```
stargazer(both, type = "latex", summary.stat = c("n", "p75", "sd"))
```

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Table 4:

Statistic	N	Pctl(75)	St. Dev.
year	364	2,013	0.000
month	364	9.2	3.445
day	364	23	8.784
delay	364	20.007	13.883
temp	364	71.570	17.581
wind	364	11.556	4.363
precip	364	0.020	0.214
hot	364	0	0.147

Remove logical variables in the summary statistics

```
stargazer(both, type = "latex", summary.logical = FALSE)
```

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Table 5:

Statistic	N	Mean	St. Dev.	Min	Max
year	364	2,013.000	0.000	2,013	2,013
month	364	6.511	3.445	1	12
day	364	15.679	8.784	1	31
delay	364	15.080	13.883	-1.349	97.771
temp	364	55.481	17.581	15.492	91.168
wind	364	9.339	4.363	2.014	55.669
precip	364	0.073	0.214	0.000	1.890

Flip the table axes

```
stargazer(both, type = "latex", flip = TRUE)
```

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Table 6:

Statistic	year	month	day	delay	temp	wind	precip	hot
N	364	364	364	364	364	364	364	364
Mean	2,013.000	6.511	15.679	15.080	55.481	9.339	0.073	0.022
St. Dev.	0.000	3.445	8.784	13.883	17.581	4.363	0.214	0.147
Min	2,013	1	1	-1.349	15.492	2.014	0.000	0
Max	2,013	12	31	97.771	91.168	55.669	1.890	1

Control the number of decimal places

```
stargazer(both, type = "latex", flip=TRUE, digits = 1)
```

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Table 7:

Statistic	year	month	day	delay	temp	wind	precip	hot
N	364	364	364	364	364	364	364	364
Mean	2,013.0	6.5	15.7	15.1	55.5	9.3	0.1	0.02
St. Dev.	0.0	3.4	8.8	13.9	17.6	4.4	0.2	0.1
Min	2,013	1	1	-1.3	15.5	2.0	0.0	0
Max	2,013	12	31	97.8	91.2	55.7	1.9	1

Drop leading zeros from decimals

```
stargazer(both, type = "latex", flip=TRUE, digits = 1, initial.zero = FALSE)
```

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Table 8:

Statistic	year	month	day	delay	temp	wind	precip	hot
N	364	364	364	364	364	364	364	364
Mean	2,013.0	6.5	15.7	15.1	55.5	9.3	.1	.02
St. Dev.	0.0	3.4	8.8	13.9	17.6	4.4	.2	.1
Min	2,013	1	1	-1.3	15.5	2.0	0.0	0
Max	2,013	12	31	97.8	91.2	55.7	1.9	1