week11hw

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2024-04-03

```
data()
AirPassengers
```

Tables in LaTeX

This is a center environment.

Year	Jan	July
1950	115	170
1955	242	364
1960	417	622

Tables in Markdown

Year	Jan	Jul
1960	417	622

Tables in HTML

Kable

Table 3:	Linear	Regression	models	terrea
Table 9.	Lincar	T CC ST COSTOTI	models	<i>courty</i>

Table 9. Effical Regression models vewreg			
	Model 1	Model 2	Model 3
(Intercept)	41.11***	40.83***	38.20***
	(2.84)	(2.76)	(3.67)
Number_of_cylinders	-1.78**	-1.29	-1.11
	(0.61)	(0.66)	(0.68)
Displacement	0.01	0.01	0.01
	(0.01)	(0.01)	(0.01)
Weight	-3.64**	-3.85***	-3.30**
	(1.04)	(1.02)	(1.13)
Gross_horsepower		-0.02	-0.03
		(0.01)	(0.01)
Transmission			1.56
			(1.44)
\mathbb{R}^2	0.83	0.85	0.86
$Adj. R^2$	0.81	0.83	0.83
Num. obs.	32	32	32

 $^{^{***}}p < 0.001; \, ^{**}p < 0.01; \, ^*p < 0.05$

Table 2: Kable Table

Year	Jan	Jul
1950	115	170
1955	242	364
1960	417	622

texreg

```
# Estimate nested regression models
M1 <- lm(mpg ~ cyl + disp + wt, data = mtcars)
M2 <- lm(mpg ~ cyl + disp + wt + hp, data = mtcars)
M3 <- lm(mpg ~ cyl + disp + wt + hp + am, data = mtcars)
## Warning: package 'texreg' was built under R version 4.2.3
## Version: 1.39.3
## Date: 2023-11-09
## Author: Philip Leifeld (University of Essex)
##
## Consider submitting praise using the praise or praise_interactive functions.
## Please cite the JSS article in your publications -- see citation("texreg").</pre>
```

stargazer

```
library(stargazer)
##
##
## Please cite as:
## Hlavac, Marek (2022). stargazer: Well-Formatted Regression and Summary Statistics Tables.
## R package version 5.2.3. https://CRAN.R-project.org/package=stargazer
```

```
# Create example lm model
model <- lm(mpg ~ cyl + hp + wt, data = mtcars)
# Print table using stargazer
stargazer::stargazer(model, type = "text",title = "Linear Regression Model", covariate.labels = c("cylinear Regression Model")</pre>
```

Linear Regression Model

```
Dependent variable:
------
mpg

cylinders -0.942* (0.551)
horsepower -0.018 (0.012)
Weight -3.167*** (0.741)
Constant 38.752*** (1.787)
```

xtable

```
library(xtable)
table1 = xtable::xtable(M1,
caption = "Linear Regression",
label = "BasicXtableSummary",
digits = 1)
print.xtable(table1)
```

% latex table generated in R 4.2.1 by xtable 1.8-4 package % Wed Apr 3 16:12:03 2024

	Estimate	Std. Error	t value	$\Pr(> t)$
(Intercept)	41.1	2.8	14.5	0.0
cyl	-1.8	0.6	-2.9	0.0
disp	0.0	0.0	0.6	0.5
wt	-3.6	1.0	-3.5	0.0

Table 5: Linear Regression