Stargazertables

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```r
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
```

```r
#Composites
WQ1OR <- WQ1
WQ1OR$coefficients <- exp(WQ1OR$coefficients)
p.valuesWQ1 <- list(summary(WQ1)$coefficients[,4])

Affordability1OR <- Affordability1
Affordability1OR$coefficients <- exp(Affordability1OR$coefficients)
pvaluesAffordability1 <- list(summary(Affordability1)$coefficients[,4])

Accessibility1OR <- Accessibility1
Accessibility1OR$coefficients <- exp(Accessibility1OR$coefficients)
pvaluesAccesibility1 <- list(summary(Accessibility1)$coefficients[,4])

TMF1OR <- TMF1
TMF1OR$coefficients <- exp(TMF1OR$coefficients)
pvaluesTMF1 <- list(summary(TMF1)$coefficients[,4])

p.values2 <- list(c(1,1,1,1,1,1))

compositemodellist <- list(WQ1, WQ1OR, Affordability1, Affordability1OR,
                           Accessibility1, Accessibility1OR, TMF1, TMF1OR)

Compositestable <- capture.output(stargazer(compositemodellist,
                                  type = 'html',
                                  column.labels = c("coefficients(se)", "Odds ratio(95%CI)",
                                            "coefficients(se)", "Odds ratio(95%CI)",
                                            "coefficients(se)", "Odds ratio(95%CI)",
                                            "coefficients(se)", "Odds ratio(95%CI)"),
                                  model.numbers = FALSE,
                                  dep.var.labels = c("Water quality", "Affordability",
                                            "Accessibility", "TMF"),
                                  ci=c(F,T, F, T, F, T, F, T),
                                  star.cutoffs = c(0.05, 0.01, 0.001),
                                  p = c(p.valuesWQ1, p.values2, pvaluesAffordability1, p.values2,
                                      pvaluesAccesibility1, p.values2, pvaluesTMF1, p.values2),
```

```
                                  omit.stat = c("ll", "aic"),
                                  covariate.labels = c("Lim enfran.", "No enfran.",
                                                       "Population (log)", "Surface water",
                                                       "Purchased"),
                                  omit = "Constant",
                                  apply.ci = function(x) { 0 }))

cat(paste(gsub("\\(0.000, 0.000\\)", "", Compositestable), collapse = "\n"), "\n")
```

Dependent variable:

Water quality

Affordability

Accessibility

TMF

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

Lim enfran.

0.090

1.095

0.925***

2.523

0.026

1.026

-0.380**

0.684

(0.136)

(0.182)

(0.168)

(0.117)

No enfran.

0.087

1.091

-0.156

0.855

0.450*

1.568

0.459***

1.583

(0.137)

(0.152)

(0.184)

(0.116)

Population (log)

0.005

1.005

-0.565***

0.568

-0.357***

0.700

-0.168***

0.846

(0.027)

(0.033)

(0.031)

(0.023)

Surface water

-0.778***

0.459

0.059

1.061

-0.831***

0.436

-0.391**

0.676

(0.164)

(0.157)

(0.146)

(0.129)

Purchased

-0.527*

0.590

-0.664***

0.515

-3.516***

0.030

-0.023

0.977

(0.216)

(0.178)

(0.234)

(0.161)

Observations

2,420

2,420

2,420

2,420

2,420

2,420

2,420

2,420

Note:

*p<0.05; **p<0.01;* p<0.001

```r
#WQ indicators
ecoliOR <- ecoli
ecoliOR$coefficients <- exp(ecoliOR$coefficients)
pvaluesecoli <- list(summary(ecoli)$coefficients[,4])

TTOR <- TT
TTOR$coefficients <- exp(TTOR$coefficients)
pvaluesTT <- list(summary(TT)$coefficients[,4])

MCLOR <- MCL
MCLOR$coefficients <- exp(MCLOR$coefficients)
pvaluesMCL <- list(summary(MCL)$coefficients[,4])

CECOR <- CEC
CECOR$coefficients <- exp(CECOR$coefficients)
pvaluesCEC <- list(summary(CEC)$coefficients[,4])

WQmodellist <- list(ecoli, ecoliOR, TT, TTOR, MCL, MCLOR, CEC, CECOR)
```

```r
WQtable <- capture.output(stargazer(WQmodellist,
                                    type = 'html',
                                    column.labels = c("coefficients(se)", "Odds ratio(95%CI)",
                                                       "coefficients(se)", "Odds ratio(95%CI)",
                                                       "coefficients(se)", "Odds ratio(95%CI)",
                                                       "coefficients(se)", "Odds ratio(95%CI)"),
                                    model.numbers = FALSE,
                                    dep.var.labels = c("ecoli", "treatment technique violations", "MCL viol
                                    ci=c(F,T, F, T, F, T, F, T),
                                    star.cutoffs = c(0.05, 0.01, 0.001),
                                    p = c(pvaluesecoli, p.values2, pvaluesTT, p.values2,
                                          pvaluesMCL, p.values2, pvaluesCEC, p.values2),
                                    omit.stat = c("ll", "aic"),
                                    covariate.labels = c("Lim enfran.", "No enfran.",
                                                          "Population (log)", "Surface water",
                                                          "Purchased"),
                                    omit = "Constant",
                                    apply.ci = function(x) { 0 }))

cat(paste(gsub("\\(0.000, 0.000\\)", "", WQtable), collapse = "\n"), "\n")
```

Dependent variable:

ecoli

treatment technique violations

MCL violations

cont. of emerging concern

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

Lim enfran.

-0.321

0.726

0.038

1.038

-0.161

0.852

1.145***

3.143

(0.482)

(0.415)

(0.158)

(0.311)

No enfran.

0.383

1.466

-1.139

0.320

-0.091

0.913

0.700*

2.013

(0.448)

(0.597)

(0.159)

(0.295)

Population (log)

-0.282*

0.754

-0.170

0.844

-0.067

0.936

0.481***

1.618

(0.125)

(0.107)

(0.036)

(0.062)

Surface water

-1.621

0.198

1.425***

4.159

-0.735***

0.480

-1.370***

0.254

(1.025)

(0.372)

(0.197)

(0.403)

Purchased

-15.036

0.00000

-1.896*

0.150

-0.810**

0.445

0.643

1.902

(897.458)

(0.765)

(0.284)

(0.405)

Observations

2,276

2,276

2,276

2,276

2,276

2,276

2,276

2,276

Note:

p<0.05; **p<0.01;** p<0.001

```
#affordability indicators
MHIOR <- MHI
MHIOR$coefficients <- exp(MHIOR$coefficients)
pvaluesMHI <- list(summary(MHI)$coefficients[,4])

extremeOR <- extreme
extremeOR$coefficients <- exp(extremeOR$coefficients)
```

```r
pvaluesextreme <- list(summary(extreme)$coefficients[,4])

covidOR <- covid
covidOR$coefficients <- exp(covidOR$coefficients)
pvaluescovid <- list(summary(covid)$coefficients[,4])

fundingOR <- funding
fundingOR$coefficients <- exp(fundingOR$coefficients)
pvaluesfunding <- list(summary(funding)$coefficients[,4])

AFmodellist <- list(MHI, MHIOR, extreme, extremeOR, covid, covidOR, funding, fundingOR)

AFtable <- capture.output(stargazer(AFmodellist,
                          type = 'html',
                          column.labels = c("coefficients(se)", "Odds ratio(95%CI)",
                                        "coefficients(se)", "Odds ratio(95%CI)",
                                        "coefficients(se)", "Odds ratio(95%CI)",
                                        "coefficients(se)", "Odds ratio(95%CI)"),
                          model.numbers = FALSE,
                          dep.var.labels = c("more than 150% MHI", "more than 150% state average
                          ci=c(F,T, F, T, F, T, F, T),
                          star.cutoffs = c(0.05, 0.01, 0.001),
                          p = c(pvaluesMHI, p.values2, pvaluesextreme, p.values2, pvaluescovid, 
                          omit.stat = c("ll", "aic"),
                          covariate.labels = c("Lim enfran.", "No enfran.",
                                        "Population (log)", "Surface water",
                                        "Purchased"),
                          omit = "Constant",
                          apply.ci = function(x) { 0 }))

cat(paste(gsub("\\(0.000, 0.000\\)", "", AFtable), collapse = "\n"), "\n")
```

Dependent variable:

more than 150% MHI

more than 150% state average

did not apply covid

did not receive funding

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

Lim enfran.

0.070

1.072

0.508**

1.662

1.292***

3.640

1.186***

3.274

(0.127)

(0.175)

(0.150)

(0.286)

No enfran.

-1.076***

0.341

-1.194***

0.303

0.326*

1.385

1.462***

4.316

(0.150)

(0.241)

(0.135)

(0.303)

Population (log)

-0.204***

0.815

-0.407***

0.666

-0.534***

0.586

-0.159*

0.853

(0.031)

(0.051)

(0.031)

(0.065)

Surface water

0.339*

1.404

1.096***

2.993

0.025

1.025

0.623*

1.865

(0.140)

(0.188)

(0.146)

(0.294)

Purchased

-0.577**

0.562

-0.523*

0.593

-0.412*

0.663

-0.268

0.765

(0.180)

(0.251)

(0.178)

(0.464)

Observations

2,276

2,276

2,088

2,088

2,403

2,403

592

592

Note:

p<0.05; ***p<0.01;*** p<0.001

```r
#accessibility indicators
sourcesOR <- sources
sourcesOR$coefficients <- exp(sourcesOR$coefficients)
pvaluessources <- list(summary(sources)$coefficients[,4])

IntertiesOR <- Interties
IntertiesOR$coefficients <- exp(IntertiesOR$coefficients)
pvaluesInterties <- list(summary(Interties)$coefficients[,4])

BottledOR <- Bottled
BottledOR$coefficients <- exp(BottledOR$coefficients)
pvaluesBottled <- list(summary(Bottled)$coefficients[,4])

sourcecapacityOR <- sourcecapacity
sourcecapacityOR$coefficients <- exp(sourcecapacityOR$coefficients)
pvaluessourcecapacity <- list(summary(sourcecapacity)$coefficients[,4])

ACmodellist <- list(sources, sourcesOR, Interties, IntertiesOR, Bottled, BottledOR, sourcecapacity, sour

ACtable <- capture.output(stargazer(ACmodellist,
                                    type = 'html',
                                    column.labels = c("coefficients(se)", "Odds ratio(95%CI)",
                                                      "coefficients(se)", "Odds ratio(95%CI)",
                                                      "coefficients(se)", "Odds ratio(95%CI)",
                                                      "coefficients(se)", "Odds ratio(95%CI)"),
                                    model.numbers = FALSE,
                                    dep.var.labels = c("single source", "Absence of interties", "Bottled wa
                                    ci=c(F,T, F, T, F, T, F, T),
                                    star.cutoffs = c(0.05, 0.01, 0.001),
                                    p = c(pvaluessources, p.values2, pvaluesInterties, p.values2, pvaluesB
                                    omit.stat = c("ll", "aic"),
                                    covariate.labels = c("Lim enfran.", "No enfran.",
                                                         "Population (log)", "Surface water",
                                                         "Purchased"),
                                    omit = "Constant",
                                    apply.ci = function(x) { 0 }))

cat(paste(gsub("\\(0.000, 0.000\\)", "", ACtable), collapse = "\n"), "\n")
```

Dependent variable:

single source

Absence of interties

Bottled water reliance

source capacity violations

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

Lim enfran.

0.917**

2.501

-1.464***

0.231

-1.391***

0.249

-0.224

0.800

(0.288)

(0.233)

(0.359)

(0.378)

No enfran.

0.761**

2.140

-0.726**

0.484

-0.834*

0.434

-0.262

0.769

(0.268)

(0.239)

(0.337)

(0.401)

Population (log)

0.415***

1.515

-0.812***

0.444

-0.313***

0.731

-0.180

0.835

(0.057)

(0.051)

(0.089)

(0.093)

Surface water

-1.302***

0.272

-0.327

0.721

-0.283

0.754

1.186***

3.274

(0.373)

(0.192)

(0.409)

(0.331)

Purchased

0.471

1.601

-7.870***

0.0004

-0.716

0.489

-1.998**

0.136

(0.383)

(1.023)

(0.650)

(0.759)

Observations

2,276

2,276

2,276

2,276

2,276

2,276

2,276

2,276

Note:

```
#TMF indicators
Opcert_violationsOR <- Opcert_violations
Opcert_violationsOR$coefficients <- exp(Opcert_violationsOR$coefficients)
pvaluesOpcert <- list(summary(Opcert_violations)$coefficients[,4])

mrviolationsOR <- mrviolations
mrviolationsOR$coefficients <- exp(mrviolationsOR$coefficients)
pvaluesmrviolations <- list(summary(mrviolations)$coefficients[,4])

cashOR <- cash
cashOR$coefficients <- exp(cashOR$coefficients)
pvaluescash <- list(summary(cash)$coefficients[,4])

operatingOR <- operating
operatingOR$coefficients <- exp(operatingOR$coefficients)
pvaluesoperating <- list(summary(operating)$coefficients[,4])

TMFmodellist <- list(Opcert_violations, Opcert_violationsOR, mrviolations, mrviolationsOR, cash, cashOR

TMFtable <- capture.output(stargazer(TMFmodellist,
                                     type = 'html',
                                     column.labels = c("coefficients(se)", "Odds ratio(95%CI)",
                                                        "coefficients(se)", "Odds ratio(95%CI)",
                                                        "coefficients(se)", "Odds ratio(95%CI)",
                                                        "coefficients(se)", "Odds ratio(95%CI)"),
                                     model.numbers = FALSE,
                                     dep.var.labels = c("operator cert violations", "M&R violations", "Cash
                                     ci=c(F,T, F, T, F, T, F, T),
                                     star.cutoffs = c(0.05, 0.01, 0.001),
                                     p = c(pvaluesOpcert, p.values2, pvaluesmrviolations, p.values2, pvalues
                                     omit.stat = c("ll", "aic"),
                                     covariate.labels = c("Lim enfran.", "No enfran.",
                                                          "Population (log)", "Surface water",
                                                          "Purchased"),
                                     omit = "Constant",
                                     apply.ci = function(x) { 0 }))

cat(paste(gsub("\\(0.000, 0.000\\)", "", TMFtable), collapse = "\n"), "\n")
```

Dependent variable:

operator cert violations

M&R violations

Cash on hand

Operating ratio

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

coefficients(se)

Odds ratio(95%CI)

Lim enfran.

0.317

1.373

0.373

1.452

-1.052***

0.349

-0.526***

0.591

(0.683)

(0.270)

(0.172)

(0.137)

No enfran.

-0.237

0.789

0.035

1.036

0.498***

1.646

0.530***

1.699

(0.776)

(0.292)

(0.147)

(0.129)

Population (log)

-0.418*

0.658

-0.150*

0.861

-0.232***

0.793

-0.213***

0.808

(0.204)

(0.066)

(0.038)

(0.031)

Surface water

1.052

2.863

0.490

1.632

-0.085

0.919

-0.109

0.897

(0.611)

(0.274)

(0.180)

(0.150)

Purchased

-15.739

0.00000

-0.611

0.543

0.077

1.080

0.001

1.001

(902.438)

(0.393)

(0.227)

(0.187)

Observations

2,276

2,276

2,276

2,276

2,041

2,041

2,255

2,255

Note:

*p<0.05; **p<0.01;** p<0.001