# Stargazer

# Stargazer

- `stargazer` allows us to present the results of a regression in a nice readable manner
- to use `stargazer` we need to install it

```
#install.packages("stargazer")
library(stargazer)
```

# Stargazer

- **WARNING** When using stargazer the table does not automatically appear
- `stargazer` provides the latex or html code that is needed to make the table
- You have to run the chunk in markdown and then copy and paste the output into the file.

# Stargazer

Let's try to make a table from our lm2a and lm2b functions for html.

```
stargazer(lm2a, lm2b, type = "html",
          title = "Results from Regression with Generated Data")
```

```
#>
#> <table style="text-align:center"><caption><strong>Results from Regression with Gene
#> <tr><td colspan="3" style="border-bottom: 1px solid black"></td></tr><tr><td style=
#> <tr><td></td><td colspan="2" style="border-bottom: 1px solid black"></td></tr>
#> <tr><td style="text-align:left"></td><td colspan="2">y</td></tr>
#> <tr><td style="text-align:left"></td><td>(1)</td><td>(2)</td></tr>
#> <tr><td colspan="3" style="border-bottom: 1px solid black"></td></tr><tr><td style=
#> <tr><td style="text-align:left"></td><td>(1.059)</td><td>(0.983)</td></tr>
#> <tr><td style="text-align:left"></td><td></td><td></td></tr>
#> <tr><td style="text-align:left">z</td><td></td><td>3.998<sup>***</sup></td></tr>
#> <tr><td style="text-align:left"></td><td></td><td>(0.946)</td></tr>
#> <tr><td style="text-align:left"></td><td></td><td></td></tr>
#> <tr><td style="text-align:left">Constant</td><td>43.006<sup>***</sup></td><td>4.789
#> <tr><td style="text-align:left"></td><td>(5.463)</td><td>(10.355)</td></tr>
#> <tr><td style="text-align:left"></td><td></td><td></td></tr>
#> <tr><td colspan="3" style="border-bottom: 1px solid black"></td></tr><tr><td style=
```

# Stargazer

Now I will copy and Paste the results into the text portion of the markdown file.

# Stargazer

**Results from Regression with Generated Data**

| | *Dependent variable:* | |
|---|---|---|
| | y | |
| | (1) | (2) |
| x | 4.237*** | 3.805*** |
| | (1.059) | (0.983) |
| z | | 3.998*** |
| | | (0.946) |
| Constant | 43.006*** | 4.789 |
| | (5.463) | (10.355) |

# Stargazer

- I can also change the names of the columns and variables

```
stargazer(lm2a, lm2b, type = "html",
          title = "Results from Regression with Generated Data",
          column.labels = c("Regression 1", "Regression 2"),
          covariate.labels = c("Variable 1", "Variable 2"))
```

```
#>
#> <table style="text-align:center"><caption><strong>Results from Regression with Gene
#> <tr><td colspan="3" style="border-bottom: 1px solid black"></td></tr><tr><td style=
#> <tr><td></td><td colspan="2" style="border-bottom: 1px solid black"></td></tr>
#> <tr><td style="text-align:left"></td><td colspan="2">y</td></tr>
#> <tr><td style="text-align:left"></td><td>Regression 1</td><td>Regression 2</td></tr
#> <tr><td style="text-align:left"></td><td>(1)</td><td>(2)</td></tr>
#> <tr><td colspan="3" style="border-bottom: 1px solid black"></td></tr><tr><td style=
#> <tr><td style="text-align:left"></td><td>(1.059)</td><td>(0.983)</td></tr>
#> <tr><td style="text-align:left"></td><td></td><td></td></tr>
#> <tr><td style="text-align:left">Variable 2</td><td></td><td>3.998<sup>***</sup></td
#> <tr><td style="text-align:left"></td><td></td><td>(0.946)</td></tr>
#> <tr><td style="text-align:left"></td><td></td><td></td></tr>
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# Stargazer

**Results from Regression with Generated Data**

| | *Dependent variable:* | |
|---|---|---|
| | y | |
| | Regression 1 | Regression 2 |
| | (1) | (2) |
| Variable 1 | $4.237^{***}$ | $3.805^{***}$ |
| | (1.059) | (0.983) |
| Variable 2 | | $3.998^{***}$ |
| | | (0.946) |
| Constant | $43.006^{***}$ | 4.789 |

# Stargazer

You can also change the style and customize your table in many different ways

```
stargazer(lm2a, lm2b, type = "html", style = "aer",
          title = "Results from Regression with Generated Data",
          column.labels = c("Regression 1", "Regression 2"),
          covariate.labels = c("Variable 1", "Variable 2"))
```

```
#>
#> <table style="text-align:center"><caption><strong>Results from Regression with Gene
#> <tr><td colspan="3" style="border-bottom: 1px solid black"></td></tr><tr><td style=
#> <tr><td style="text-align:left"></td><td>Regression 1</td><td>Regression 2</td></tr
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#> <tr><td style="text-align:left"></td><td></td><td></td></tr>
#> <tr><td style="text-align:left">Variable 2</td><td></td><td>3.998<sup>***</sup></td
#> <tr><td style="text-align:left"></td><td></td><td>(0.946)</td></tr>
#> <tr><td style="text-align:left"></td><td></td><td></td></tr>
#> <tr><td style="text-align:left">Constant</td><td>43.006<sup>***</sup></td><td>4.789
#> <tr><td style="text-align:left"></td><td>(5.463)</td><td>(10.355)</td></tr>
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# Stargazer

**Results from Regression with Generated Data**

| | y | |
|---|---|---|
| | Regression 1 | Regression 2 |
| | (1) | (2) |
| Variable 1 | 4.237*** | 3.805*** |
| | (1.059) | (0.983) |
| Variable 2 | | 3.998*** |
| | | (0.946) |
| Constant | 43.006*** | 4.789 |
| | (5.463) | (10.355) |