

# *SOC 4930/5050: Week 13 R Functions*

*Christopher Prener, Ph.D.*

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## *Packages*

- base
- stargazer
- stats

## *Linear Model*

### *Multiple Regression Model*

```
stats::lm(formula = yvar ~ xvar1+xvar2+xvar3, data = dataframe)
```

### *Retrieve Model Output*

```
base::summary(modelObject)
```

### *Confidence Intervals*

```
stats::confint(modelObject)
```

### *Akaike's Information Criterion (AIC)*

```
stats::AIC(modelObject)
```

### *Bayesian Information Criterion (AIC)*

```
stats::BIC(modelObject)
```

## *Rounding*

```
base::round(x, digits = val)
```

*Regression Tables for L<sup>A</sup>T<sub>E</sub>X**Including Multiple Models*

```
stargazer::stargazer(models, title = "table title")
```

*Adding New Summary Statistics*

```
stargazer::stargazer(models, title = "table title",  
  add.lines = list(c("text", value, value)))
```

*Omitting Summary Statistics*

```
stargazer::stargazer(models, title = "table title",  
  omit.stat = stat, df = FALSE)
```