SOC 4015/5050: Lecture 13 Functions

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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 (Review)

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

Regression Tables

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",
  add.lines = list(c("text", value, value)),
  omit.stat = stat, df = FALSE)
```

Creating Output

```
stargazer::stargazer(models, title = "table title",
  add.lines = list(c("text", value, value)),
  omit.stat = stat, df = FALSE, type = "html",
  out = filepath)
```

Descriptive Statistics Tables

```
stargazer::stargazer(data.frame(data), title = "table title",
  summary = TRUE, omit.summary.stat = c("p25", "p75"),
  type = "html", out = filepath)
```