

# *SOC 4650/5650: Lecture 02 Functions*

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## *Packages*

- base<sup>1</sup>
  - devtools
  - ggplot2
  - reprex
  - utils<sup>2</sup>
- <sup>1</sup> Will already be installed.
- <sup>2</sup> Will already be installed.

## *Working with Packages (Review)*

### *Installing Packages from CRAN*

```
utils::install.package("packageName")
```

### *Installing Packages from GitHub*

```
devtools::install_github("username/repoName")
```

## *Loading Packages*

```
base::library("packageName")
```

## *Assign Data to Object*

```
dataFrame <- dataSource
```

## *Opening Spreadsheet View*

```
utils::View(dataFrame)
```

## *ggplot2*

### *Creating a ggplot2 Object*

```
ggplot2::ggplot()
```

### *Creating a Histogram*

```
ggplot2::geom_histogram(.data, mapping = aes(aesthetic))
```

### *Saving a Plot*

```
ggplot2::ggsave("filePath")
```

### *Creating a Reproducible Example*

```
reprex::reprex()
```