

SOC 4015/5050: Lecture 03 Functions

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Packages

- base
- janitor
- tidyverse
 - reprex
- stats

Density Plot

```
geom_density(mapping = aes(aesthetic))
```

Tables

Basic Table

```
base::table(dataFrame$var)
```

Table via janitor

```
base::tabyl(dataFrame, var)
```

or

```
dataFrame %>% tabyl(var)
```

Individual Descriptive Statistics

Median

```
stats::median(x, na.rm = FALSE)
```

Note: all of the individual descriptive statistics take either a single vector (x) or a data frame vector combination (df\$x).

*Individual Descriptive Statistics (con't)**Mean*

```
base::mean(x, na.rm = FALSE)
```

Variance

```
stats::var(x, na.rm = FALSE)
```

Standard Deviation

```
stats::sd(x, na.rm = FALSE)
```

Range

```
base::range(x)
```

```
base::min(x)
```

```
base::max(x)
```

Inter-quartile Range (IQR)

```
stats::IQR(x)
```

*Overview of Descriptive Statistics**Simple Summary*

```
base::summary(x)
```

skimr Summary

```
skimr::skim(dataFrame, varlist)
```

Reproducible Example

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