

# *SOC 4930/5050: Week 02, Lecture 02A Functions*

## *Quick Reference*

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### *Packages*

- tidyverse
  - ggplot2

### *Basic Plot*

```
ggplot2::ggplot(data = dataFrame) +  
  geom(mapping = aes(aesthetic))
```

### *Geometric Objects*

#### *Line Plot*

```
geom_freqpoly(mapping = aes(aesthetic))
```

Each of these geoms must be paired with an initial ggplot function call.

#### *Bar Plot*

```
geom_bar(mapping = aes(aesthetic))
```

#### *Scatter Plot*

```
geom_point(mapping = aes(x = var1, y = var2))
```

#### *Smoothed Line*

```
geom_smooth(mapping = aes(x = var1, y = var2))
```

#### *Box Plot*

```
geom_box(mapping = aes(x = var1, y = var2))
```

The x variable should be the discrete variable.