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# Yannique Hecht
# Harvardx: PH125.2 - (2) Data Science: Visualization
# SECTION 2: INTRO TO GGPLOT2
# ASSESSMENTS
```

```
# # # ASSESSMENT 2.2: INTRODUCTION TO GGPLOT2
```

```
# # EXERCISE 1 - VGGPLOT2 BASICS
```

```
[REDACTED]
```

```
# # EXERCISE 2 - PRINTING
```

```
# # EXERCISE 3 - PIPES
```

```
[REDACTED]
```

```
# define ggplot object called p like in the previous exercise but
# using a pipe
```

```
[REDACTED]
```

```
# # EXERCISE 4 - LAYERS
```

```
# # EXERCISE 5 - GEOM_POINT 1
```

```
# Fill in the blanks
```

```
[REDACTED]
```

```
# # EXERCISE 6 - GEOM_POINT 2
```

```
[REDACTED]
```

```
# # EXERCISE 7 - GEOM_POINT TEXT
```

```
# # EXERCISE 8 - GEOM_POINT TEXT
```

```
[REDACTED]
```

```
## edit the next line to add the label
```

```
[REDACTED] +
```

```
[REDACTED]

# # EXERCISE 9 - GEOM_POINT COLORS

# # EXERCISE 10 - GEOM_POINT COLORS 2
[REDACTED]
[REDACTED]

# # EXERCISE 11 - GEOM_LABELS BY REGION

# # EXERCISE 12 - GEOM_LABEL COLORS
## edit this code
[REDACTED]
[REDACTED]
[REDACTED]

# # EXERCISE 13 - LOG-SCALE
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
## add layers to p here

# # EXERCISE 14 - TITLES
[REDACTED]
[REDACTED]
[REDACTED]
# add a layer to add title to the next line
[REDACTED]
[REDACTED]
[REDACTED]

# # EXERCISE 15 - HISTOGRAMS
# # EXERCISE 16 - HISTOGRAMS SECOND EXAMPLE
# define p here
[REDACTED]
[REDACTED]

# # EXERCISE 17 - HISTOGRAMS 2
[REDACTED]
[REDACTED]
[REDACTED]

# # EXERCISE 18 - HISTOGRAMS BINWIDTH
[REDACTED]
[REDACTED]
```

[REDACTED]

EXERCISE 19 - SMOOTH DENSITY PLOT

[REDACTED]

[REDACTED]

[REDACTED]

EXERCISE 20 - 2 SMOOTH DENSITY PLOTS

[REDACTED]

[REDACTED]

[REDACTED]

EXERCISE 21 - 2 SMOOTH DENSITY PLOTS 2

[REDACTED]

[REDACTED]

[REDACTED]

EXERCISE 22 - 2 SMOOTH DENSITY PLOTS 3

[REDACTED]

[REDACTED]

[REDACTED]