

```
# Yannique Hecht
# Harvardx: PH125.2x - (2) Data Science: Visualization
# SECTION 5: VISUALIZATION
# ASSESSMENTS
```

```
# # # ASSESSMENT 5.1: DATA VISUALIZATION PRINCIPLES, PART 1
```

```
# # EXERCISE 1 - CUSTOMIZING PLOTS - PIE CHARTS
```

```
# # EXERCISE 2 - CUSTOMIZING PLOTS - WHAT'S WRONG
```

```
# # EXERCISE 3 - CUSTOMIZING PLOTS - WHAT'S WRONG 2
```

```
# # # ASSESSMENT 5.2: DATA VISUALIZATION PRINCIPLES, PART 2
```

```
# # EXERCISE 1 - CUSTOMIZING PLOTS - WATCH & LEARN
```

```
[REDACTED]
```

```
# # EXERCISE 2 - CUSTOMIZING PLOTS - REDEFINING
```

```
[REDACTED]
```

```
# # EXERCISE 3 - SHOWING THE DATA & CUSTOMIZING PLOTS
```

EXERCISE 4 - MAKING A BOX PLOT

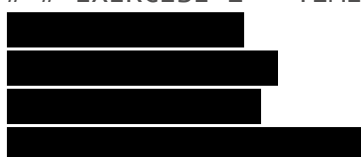


ASSESSMENT 5.3: DATA VISUALIZATION PRINCIPLES, PART 3

EXERCISE 1 - TILE PLOT - MEASLES & SMALLPOX



EXERCISE 2 - TIME SERIES PLOT - MEASLES & SMALLPOX



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

EXERCISE 3 - TIME SERIES PLOT - ALL DISEASES IN CALIFORNIA

[REDACTED]

[REDACTED]

EXERCISE 4 - TIME SERIES PLOT - ALL DISEASES IN THE UNITED STATES

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

ASSESSMENT: TITANIC SURVIVAL

Q1 VARIABLE TYPES

Q2 DEMOGRAPHICS OF TITANIC PASSENGERS

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Q3 QQ-PLOT OF AGE DISTRIBUTION

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Q4 SURVIVAL BY SEX

#plot 1 - survival filled by sex

[REDACTED]

[REDACTED]

[REDACTED]

plot 2 - survival filled by sex with position_dodge

[REDACTED]

[REDACTED]

[REDACTED]

```
#plot 3 - sex filled by survival
```



```
# # Q5 SURVIVAL BY AGE
```



```
# # Q6 SURVIVAL BY FARE
```



```
# # Q7 SURVIVAL BY PASSENGER CLASS
```

```
# barplot of passenger class filled by survival
```



```
# barplot of passenger class filled by survival with position_fill
```



```
# Barplot of survival filled by passenger class with position_fill
```



```
# # Q8 SURVIVAL BY AGE, SEX & PASSENGER CLASS
```

