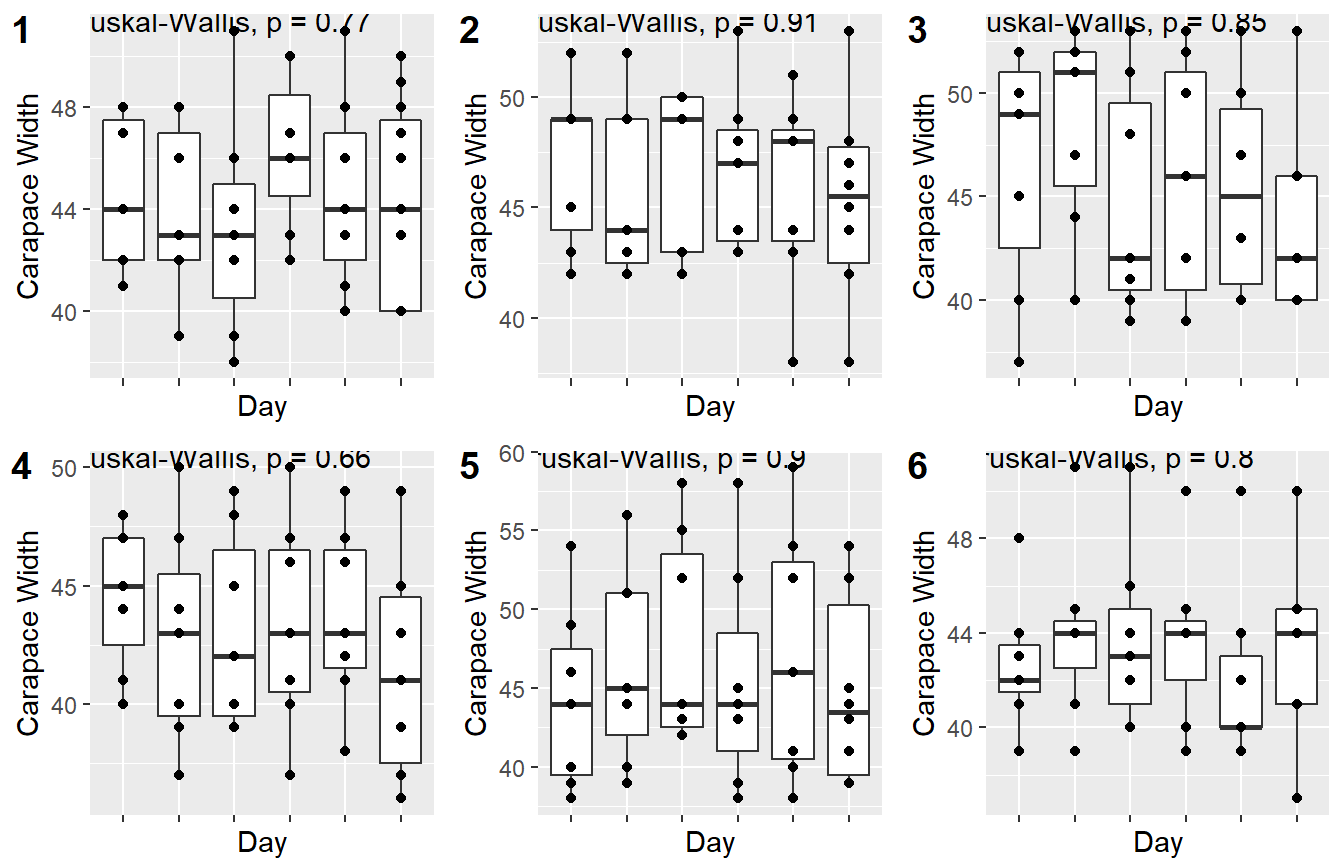# 02-demographic-data

Sara Shapiro
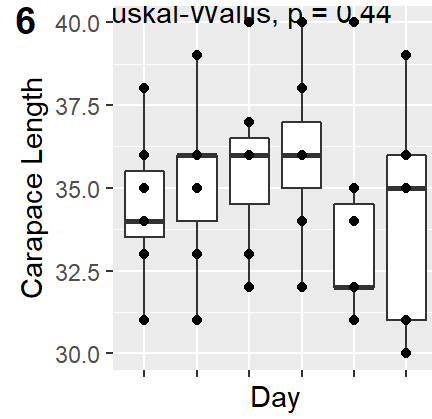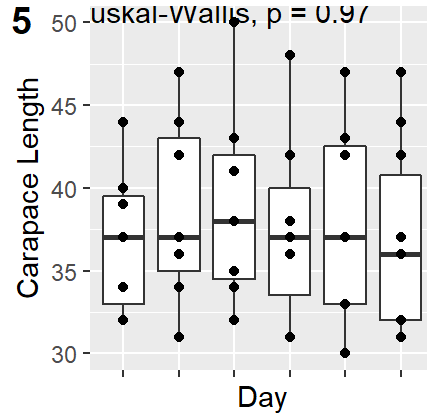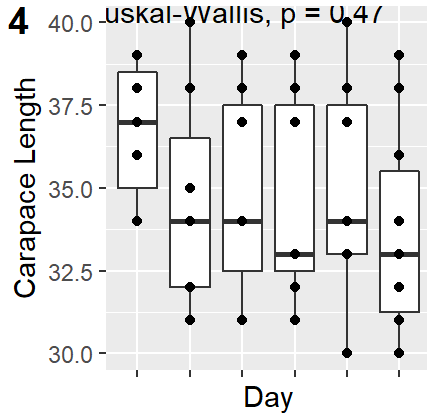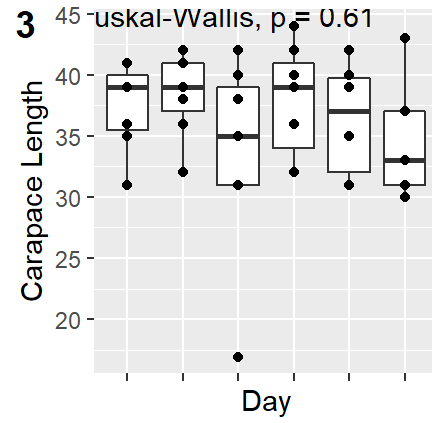
2022-11-29

R Markdown

Carapace Width Over Time

Carapace Length Over Time

1 Kruskal-Wallis, p = 0.57

Carapace Length / Day

2 Kruskal-Wallis, p = 0.85

Carapace Length / Day

3 Kruskal-Wallis, p = 0.61

Carapace Length / Day

4 Kruskal-Wallis, p = 0.47

Carapace Length / Day

5 Kruskal-Wallis, p = 0.97

Carapace Length / Day

6 Kruskal-Wallis, p = 0.44
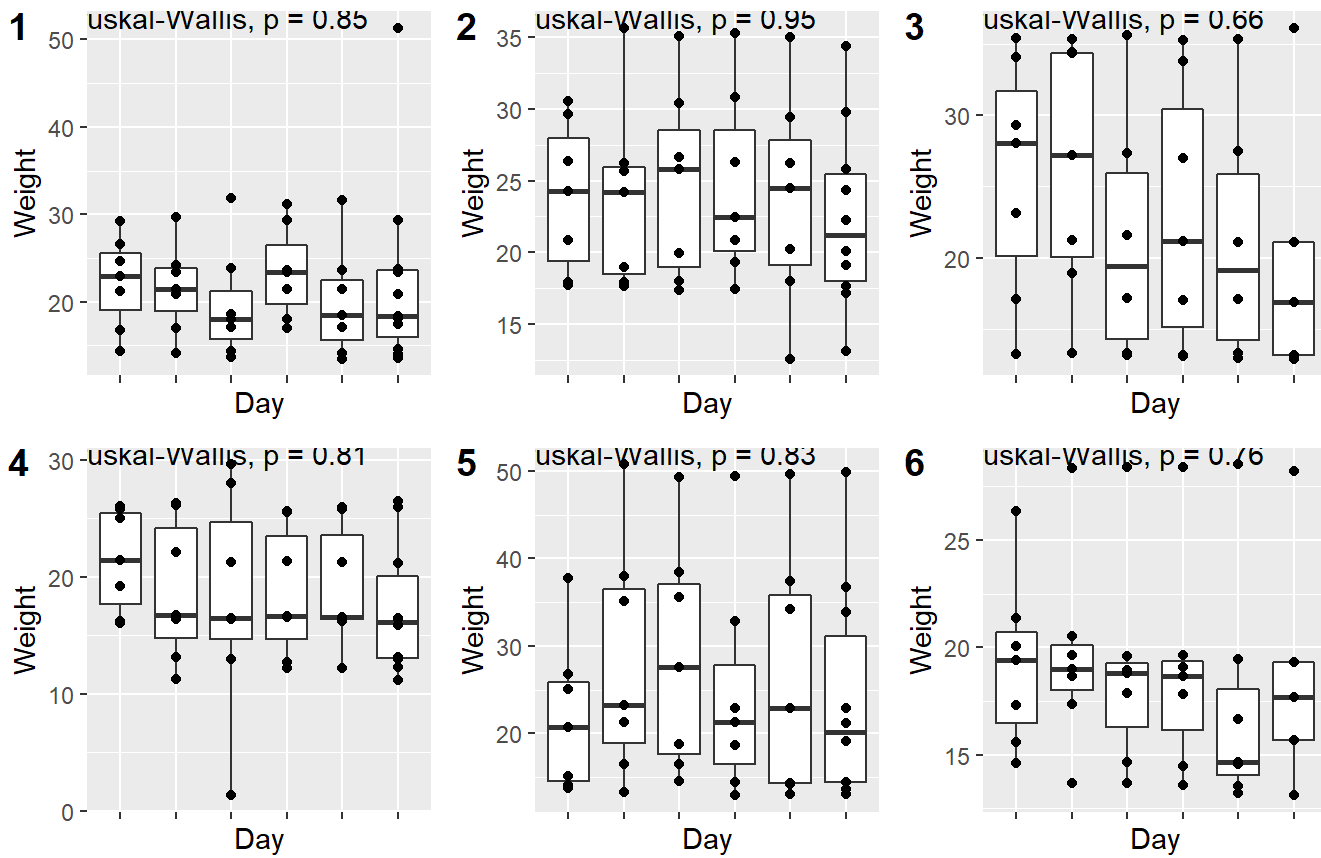
Carapace Length / Day
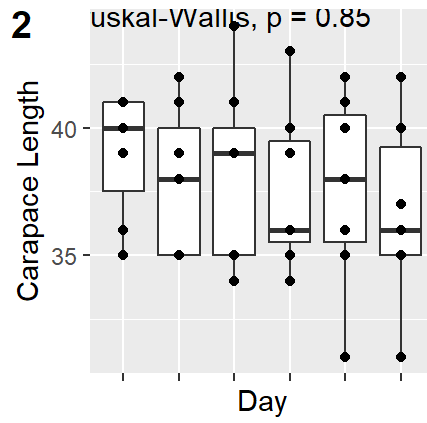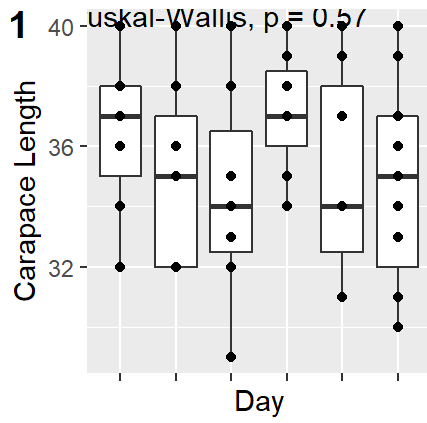
```
## Warning: Removed 1 rows containing non-finite values (stat_boxplot).
```

```
## Warning: Removed 1 rows containing non-finite values (stat_compare_means).
```

```
## Warning: Removed 1 rows containing missing values (geom_point).
```

Weight Over Time

1 uskal-Wallis, p = 0.85

2 uskal-Wallis, p = 0.95

3 uskal-Wallis, p = 0.66

4 uskal-Wallis, p = 0.81

5 uskal-Wallis, p = 0.83

6 uskal-Wallis, p = 0.76

Integument Color Over Time
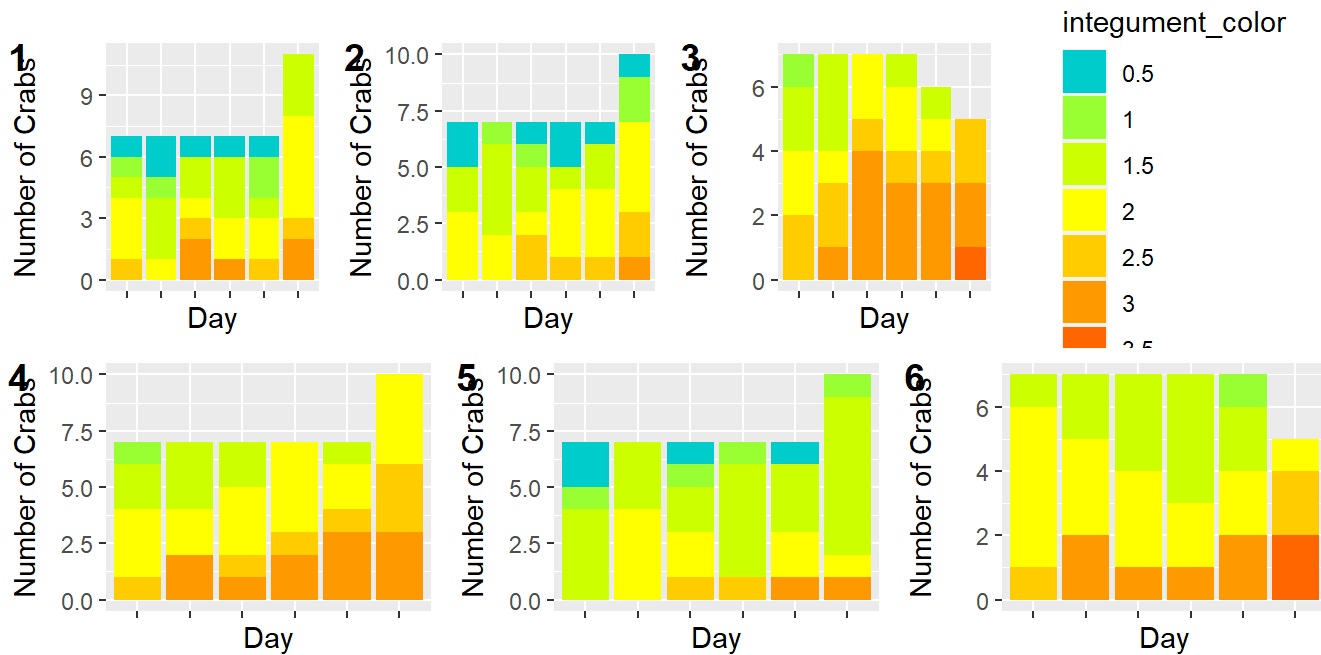

```
## Warning in chisq.test(ig_1$date, ig_1$integument_color): Chi-squared
## approximation may be incorrect
```

```
## Warning in chisq.test(ig_2$date, ig_2$integument_color): Chi-squared
## approximation may be incorrect
```

```
## Warning in chisq.test(ig_3$date, ig_3$integument_color): Chi-squared
## approximation may be incorrect
```

```
## Warning in chisq.test(ig_4$date, ig_4$integument_color): Chi-squared
## approximation may be incorrect
```

```
## Warning in chisq.test(ig_5$date, ig_5$integument_color): Chi-squared
## approximation may be incorrect
```

```
## Warning in chisq.test(ig_6$date, ig_6$integument_color): Chi-squared
## approximation may be incorrect
```

```
##
##  Pearson's Chi-squared test
##
## data:  ig_1$date and ig_1$integument_color
## X-squared = 19.923, df = 25, p-value = 0.7509
```

```
##
##  Pearson's Chi-squared test
##
## data:  ig_2$date and ig_2$integument_color
## X-squared = 20.775, df = 25, p-value = 0.7051
```

```
##
##  Pearson's Chi-squared test
##
## data:  ig_3$date and ig_3$integument_color
## X-squared = 24.731, df = 25, p-value = 0.4775
```

```
##
##  Pearson's Chi-squared test
##
## data:  ig_4$date and ig_4$integument_color
## X-squared = 18.553, df = 20, p-value = 0.551
```

```
##
##  Pearson's Chi-squared test
##
## data:  ig_5$date and ig_5$integument_color
## X-squared = 26.188, df = 25, p-value = 0.3976
```

```
## 
##  Pearson's Chi-squared test
## 
## data:  ig_6$date and ig_6$integument_color
## X-squared = 38.714, df = 25, p-value = 0.03934
```

```
## 
##  Pearson's Chi-squared test
## 
## data:  ig_6$date and ig_6$integument_color
## X-squared = 38.714, df = 25, p-value = 0.03934
```