Model Diagnostics and Remedial Measures

Winter 2024

Activity A

a. Write your answer here...

b. Write your answer here...

c. Write your answer here...

d. Write your answer here...

e. Write your answer here...

Exercise E.10

Here is code to calculate the residuals from the one-way ANOVA model.

```
games_anova <- aov(Time ~ Type, data = games1)
games_resid <- resid(games_anova)
```

```
# Delete this comment and put your code here
```

a. Write your answer here...

```
# Delete this comment and put your code here
```

b. Write your answer here...

c. Write your answer here...

Extended Activity 31

```
emissions <- read.csv("https://aloy.rbind.io/kuiper_data/Emissions.csv")
```

```
# Delete this comment and put your code here
```

a. Write your answer here...

```
# Delete this comment and put your code here
```

b. Write your answer here...

c. Write your answer here...

```
# Delete this comment and put your code here
```

d. Write your answer here...

```
# Delete this comment and put your code here
```

e. Write your answer here...

Activity B

This code just creates the `y1` and `y2` samples you'll use in the activity.

```
sub_emissions <- emissions |>
     filter(Year == "1963-1967" | Year == "1970-1971")
y1 <- sub_emissions |>
  filter(Year == "1963-1967") |>
  pull(Emissions)
y2 <- sub_emissions |>
  filter(Year == "1970-1971") |>
  pull(Emissions)
```

```
# Delete this comment and put your code here
```

a.

```
# Delete this comment and put your code here
```

b.

```
# Delete this comment and put your code here
```

c. Write your answer here...

```
# Delete this comment and put your code here
```

d. Write your answer here...

```
# Delete this comment and put your code here
```

e. Write your answer here...

f. Write your answer here...