Exercise: Markdown

Environmental Data Analytics | John Fay and Luana Lima

Contents

List of Tables

Set up the coding environment

The raw dataset has 2406 rows and 14 columns.

Wrangle the data

```
#Subset columns and rows
nutrient_data <- nutrient_data_raw %>%
  select(-c(lakeid,depth_id,comments)) %>%
  filter(depth == 0) %>%
  drop_na()

#Compute summary stats for total nitrogen
nutrient_data_tn <- nutrient_data %>%
  group_by(lakename) %>%
  summarize(
    mean_tn_ug = mean(tn_ug),
    min_tn_ug = min(tn_ug),
    max_tn_ug = max(tn_ug),
    sd_tn_ug = sd(tn_ug)
  )
```

Report the summary

Table 1: summary of total nitrogen

lakename	mean_tn_ug	min_tn_ug	max_tn_ug	sd_tn_ug
Paul Lake	368.7564	45.67	628.625	106.3474
Peter Lake	561.8752	219.72	2048.151	305.6491

Table 2: another summary of total nitrogen

lakename	mean_tn_ug	min_tn_ug	max_tn_ug	sd_tn_ug
Paul Lake	368.7564	45.67	628.625	106.3474
Peter Lake	561.8752	219.72	2048.151	305.6491