

CBSC Trends Over Time Project  
Methodology: CBSC Trends Over Time  
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**1. Survey Creation**

- a. A class survey was created, by the instructor with the use of questions formulated by the class, with the use of Qualtrics.
- b. The survey included ranged from 5-7 minutes and was supposed to be taken before class every Tuesday and Thursday throughout the semester.
- c. The survey was distributed electronically via a link on Canvas.

**2. Survey Analysis**

- a. Analysis of the survey was done using RMarkdown.
- b. The data was cleaned and wrangled in R.
- c. Hypotheses were statistically analyzed in R
  - i. Hypothesis 1: How does weather influence time spent outside?
    1. A linear mixed effects regression model was run to test this hypothesis
  - ii. Hypothesis 2: How does time spent outside influence mood?
    1. A time series analysis was run to test hypothesis 2.

**3. Poster**

- a. A poster was created as the final project output.
- b. The poster included background, methodology, results, conclusion, and future direction sections.