

# DALITE Q1 - Displaying and Describing Categorical and Quantitative Data, Boxplots, Standard Deviation and Normal Curves. Due September 11, 2020 by 10am.

## EPIB607 - Inferential Statistics<sup>a</sup>

<sup>a</sup>Fall 2020, McGill University

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This DALITE quiz will cover the basic concepts of displaying and describing categorical and quantitative data such as histograms, mean, median, mode, five-number summary. It will cover more descriptives such as boxplots, standard deviation, and introduce you to normal density curves.

Histogram | Categorical Data | Quantitative Data | Density Plot | Mean | Median | Mode | Boxplots | Standard deviation | Normal curves

## Marking

Completion of this DALITE exercise will be available to us automatically through the DALITE website. Therefore **you do not need to hand anything in**. Marks will be based on the number of correct answers. For each question you will receive 0.5 marks for getting the correct answer on the first attempt and an additional 0.5 marks if you stick with the right answer or switch to the correct answer after seeing someone else's rationale.

## 1. Sign up for DALITE

This step only needs to be completed once for the whole semester:

1. You can join the EPIB607 group by accessing the unique link: <https://mydalite.org/en/live/signup/form/OTlw>
2. Upon accessing the link, you will be prompted to enter an e-mail address. I recommend using the same e-mail address as your DataCamp account. **You must also enter your McGill ID number.**
3. You never need to remember a username or password to access the DALITE platform; access to your assignments is managed through tokens sent to your e-mail address. You will be sent a new link everytime a new exercise has been posted.
4. Watch the brief introduction to DALITE video: <https://www.youtube.com/watch?v=0tJVVy2ay7c>

## 2. Displaying and Describing Numerical and Categorical Data

### 2.1. Videos.

1. Against All Odds Unit 1
2. Against All Odds Unit 3
3. Against All Odds Unit 4
4. Against All Odds Unit 5
5. Against All Odds Unit 6
6. Against All Odds Unit 7

## 2.2. Required Readings.

1. Against All Odds Unit 3
2. Against All Odds Unit 4
3. Against All Odds Unit 5
4. Against All Odds Unit 6
5. Against All Odds Unit 7
6. Visualizing distributions: Histograms and density plots
7. De Veaux, Velleman and Bock (DVB), Chapter 3
8. De Veaux, Velleman and Bock (DVB), Chapter 4