

Math 120 Group Project

Time spent on your phone

Group 6: Student Names



Part 1

Qualitative:

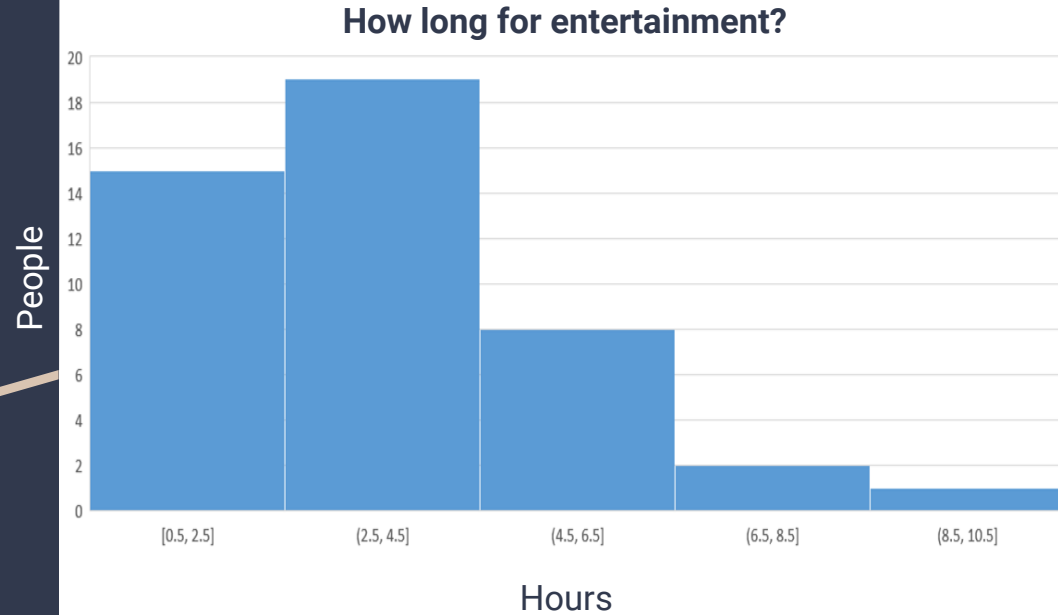
1. What device do you have?
2. What music app do you utilize?
3. What social media app do you use the most?
4. What phone carrier do you have?

Quantitative:

1. How many hours per day do you spend on your phone for school and educational purposes?
2. How many hours per day do you spend on your phone for work purposes?
3. How many hours per day do you spend on your phone for social media, entertainment, etc?
4. How many hours per day do you go without using your phone?

Part 2: Q1

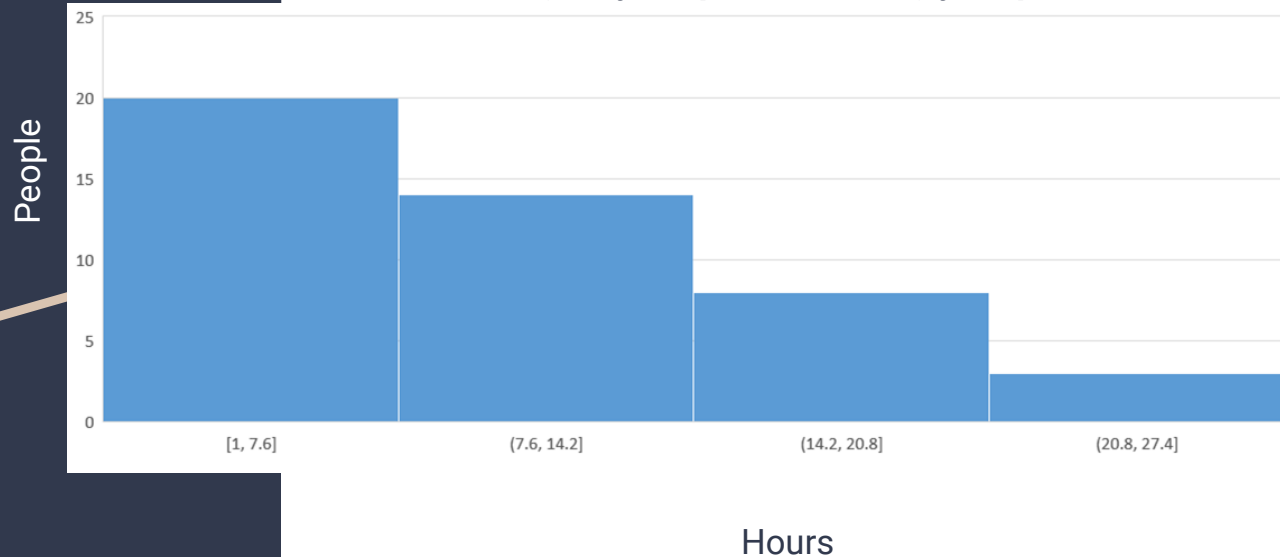
The amount of time an individual spends on their phone for social media and entertainment purposes is in the range of 2.5 to 4.5 hours.



Part 2: Q2

The amount of time an individual tends to spend their day without using their phone is in the range of 1 to 7.5 hours.

How long do you spend not using your phone?

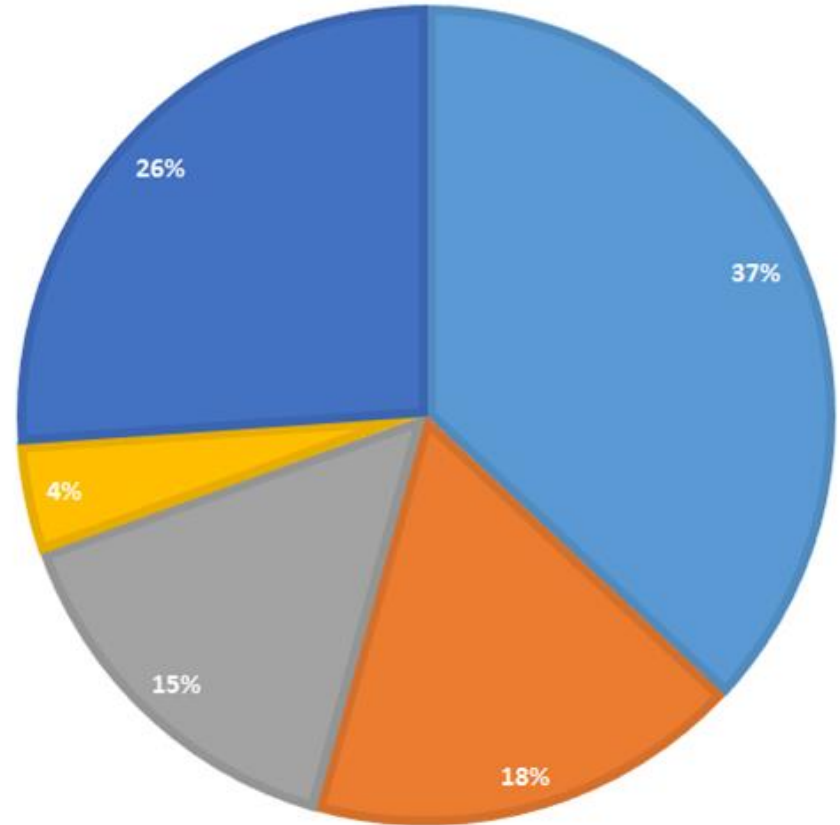


Part 2: Q3

After 46 respondents answered the survey, about 37% utilize Spotify as their music app.

WHICH APP DO YOU USE FOR MUSIC?

■ Spotify ■ Pandora ■ Apple Music ■ Google PlayMusic ■ Other

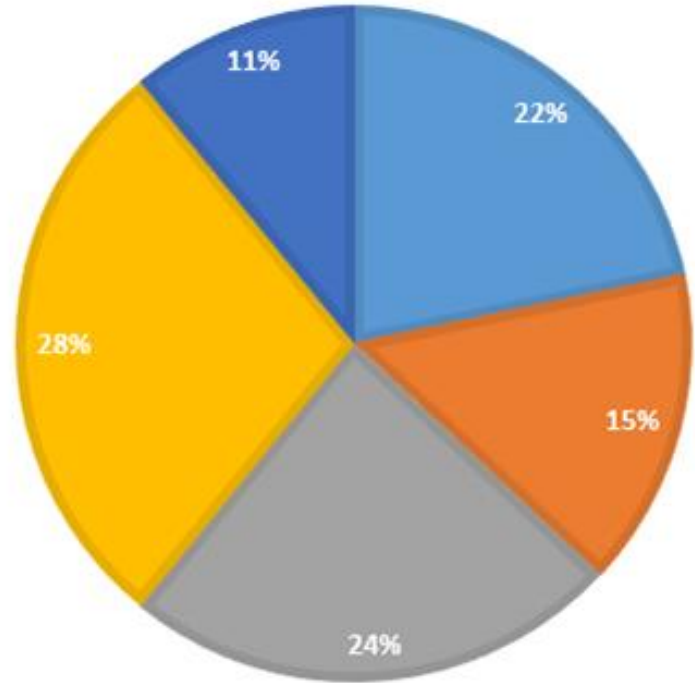


Part 2: Q4

After 46 respondents answered the survey, about 28% have Sprint as their phone carrier.

WHAT PHONE CARRIER DO YOU HAVE?

Verizon T-Mobile At&t Sprint Other



Part 3: Q1

How long do you spend not using your phone?

Mean= 9.5

Median= 8

Mode= 2

Standard Deviation=6.66

Statements:

1. Mean: amount of hours people go without their phone is 9.5 hours
2. Median: 8 hours is the average people should go without their phone
3. Mode: most frequent amount of time people go without their phone is about 2 hours

Part 3: Q2

**How many hours do you spend on your phone for
school/educational purposes?**

Mean= .9347

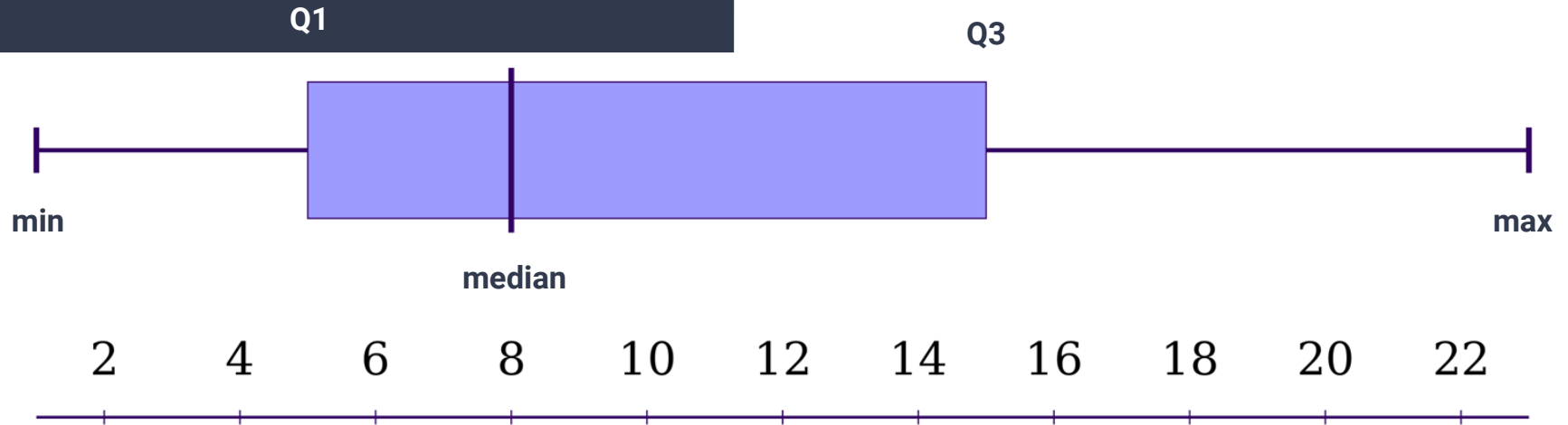
Median= 1

Mode= 0

Standard Deviation= 1.11

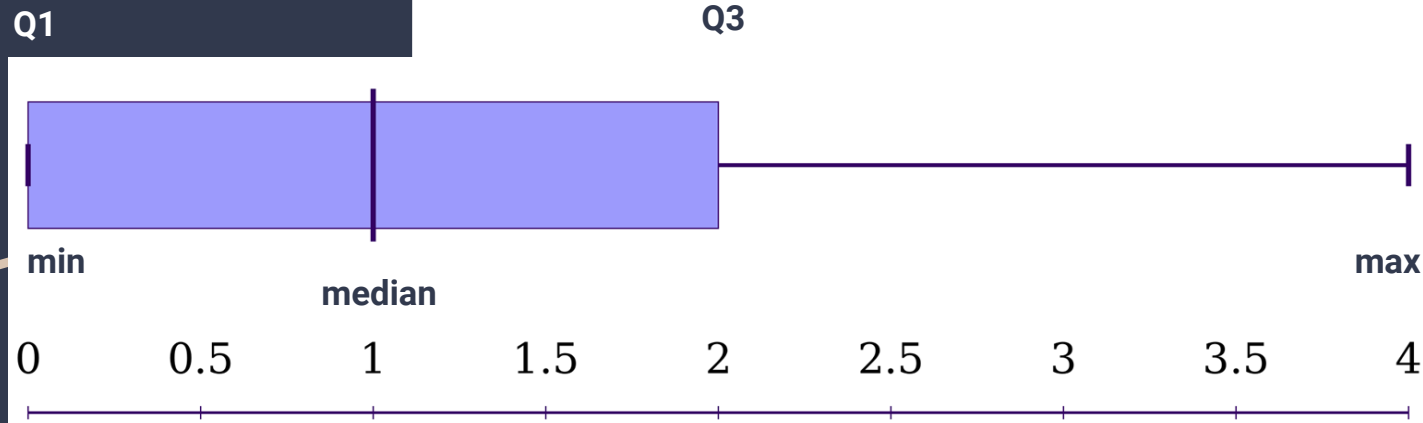
Part 4: Q1

How many hours per day do you go without your phone?



Part 4: Q2

How many hours do you spend on your phone for school/
educational use?



Part 4: Questions

1. 50% of the values for Question 1 are between 5 and 15
2. 25% of the values for Question 2 are less than or = to 0
3. 25% of the values for Question 1 are more than 15
4. 50% of the values for Question 2 are less than 1
5. 75% of the values for Question 1 are more than 5

Creating a box and whisker plot would be a problem for any sort of qualitative question.

Part 5: Q1

How many hours per day do you go without using your phone?

Confidence Interval: T-Interval (7.4656, 11.491)

$\bar{x} = 9.4782$

$S_x = 6.77$

$N = 46$

Interpretation: I'm 95% confident that the amount of hours an individual goes without using their phone is between (7.4656, 11.491).

Part 5: Q2

How many hours per day do you go on your phone for school/ educational purposes?

Confidence Interval: T-Interval (.6051, 1.264)

$\bar{x} = .935$

$S_x = 1.11$

$N = 46$

Interpretation: I'm 95% confident that the amount of hours an individual spends on their phone for school or educational purposes is between (.6051, 1.264).