

Correlations:

Amount of time spent sleeping daily and the amount of screen time of an individual daily.

I will be identifying a correlation using the following questions:

1. On average, how much time do you spend on devices for school-related activities, daily?
2. On average, how much time do you spend on devices for entertainment, daily?
3. How many social media apps do you have installed on your device(s)?
4. How many video games do you have installed on your device(s)?
5. What time do you usually fall asleep at?
6. What time do you usually wake up at?
7. How much time do you typically spend exercising in a week?
8. Typically, on a scale of 1-10, how well is your quality of sleep?
9. How much time do you typically spend on hobbies that do not involve devices or electronics?

I suggest that a greater amount of time spent on screens will cause the participant's amount of time sleeping to be lesser; meaning it will be a weak to strong negative correlation. If a correlation between these two factors exist, I hypothesize that the causation may be a common third factor; such as the amount of social media apps or video games one has installed on their device, or the amount of time one spends exercising.

Within this circumstance, my survey will be following the "convenience sample" method. This means that the participants of this survey will be a population of individuals of which are convenient and easy to access. In this scenario, I believe I will be surveying a sample of people of whom I know, and have access to devices; such as phones, tablets/iPads, computers, TV's, etc. All participant's identities will be kept anonymous for the sake of privacy.

Additional Questions/Extra Data:

10. How tall are you?
11. How much time do you take to travel to work/school?
12. How much time do you tend to spend on homework/work related activities daily?
13. How many times do you brush your teeth daily?
14. How many letters are in your first name?
15. How much water do you typically drink in a day?

Back-up Correlations:

Correlation IDEAS	Type of Correlation
<ul style="list-style-type: none"> • screen time • amount of video games installed on device 	<ul style="list-style-type: none"> • positive (the higher the screen time, the more video games installed on one's device)
<ul style="list-style-type: none"> • screen time • commute/travel time to school/work 	<ul style="list-style-type: none"> • positive (the higher one's travel time is, the more screen time they have)
<ul style="list-style-type: none"> • time spend exercising • amount of social media apps installed on device 	<ul style="list-style-type: none"> • negative (the more time spent exercising, the less amount of apps installed)
<ul style="list-style-type: none"> • time spent exercising • amount of sleep 	<ul style="list-style-type: none"> • positive (the more time spent exercising, the more sleep one has)
<ul style="list-style-type: none"> • amount of sleep • height 	<ul style="list-style-type: none"> • positive (the greater the amount of sleep, the greater the height)

Correlation IDEAS	Type of Correlation
<ul style="list-style-type: none">• screen time• quality of sleep on a scale of 1-10	<ul style="list-style-type: none">• negative (the higher the screen time, the less quality of sleep)