

Impact of COVID-19 outbreak on Education, Mental health, and Daily Routine

-The sample was taken from different age groups between the ages of 7 -59 from different institutions in Delhi. A total of 1182 students.

About Me

- My name is Yemisi
- I am a caring and dedicated person
- I love learning and have a passion for solving problems through numbers
- I am a mother of two
- Currently work in the NHS
- Choose this dataset because as a mother who has children in the education system and went through lockdown period, I was interested to look at how students' behaviours were affected without a social environment

Objectives

- Average time spent on Studying vs Time spent on tv, sleep and social media
- Preferred Social Media platform
- Age of Subject vs Ratings of responses
- Ratings and Medium
- Most common Stress buster

1185	Average	3.208840948	Avg Time spent online	2.911590525	0.765820643	7.871235195	2.365693739
1186	Max	10		18			
1187	SUM	3792.85				9303.8	2796.25
1188							
1189	Student Code	Age	=VLOOKUP(A1190, A1:B1183,2,FALSE)				
1190	R1191	12					
1191							
1192							
1193	Medium for online study	How many Students?	Rating of Online experience	How many Students?			
1194	Desktop	550	Excellent	98			
1195	Laptop	545	Good	230			
1196	Laptop (G2)	5	Average	387			
1197	SmartPhone	544	Poor	30			
1198	Tablet	37	Very Poor	413			
1199	Any Gadget	5	NA	24			
1200	NA	51		1182			
1201							
1202	Start Age	Age Group	Health issue	No of students			
1203	7-17		Y	161			
1204	18-30		N	1021			
1205	31-59						
1206			More connected with family	No of Students			
1207			Y	831			
1208			N	351			
1209							
1210							
1211							

=COUNTIF(H1:H1183,A1194)
)

1	Row Labels	Average of Time_spent_on_Online_Class	Average of Time_spent_on_self_study		
2	18-30	2.807635468	2.973522167	5.782	
3	31-59	2.977941176	2.536764706	5.515	
4	7-17	4.339569536	2.829470199	7.164	
5	Grand Total	3.208840948	2.911590525		
6					
7					
8					
9	Row Labels	Average of Time_spent_on_TV	Average of Time_spent_on_sleep	Average of Time_spent_on_social_media	
10	18-30	0.905112219	7.91046798	2.64544335	11.47
11	31-59	1.13880597	7.186764706	1.982352941	10.29
12	7-17	1.321	7.91986755	1.699834437	10.94
13	Grand Total	1.025235244	7.871235195	2.365693739	
14					
15					
16					

My Project- SQL Analysis

```
--Where age of subject is greater than 30 and preferred social media is Instagram
SELECT*FROM `data-analytics-sql-378420.Final_Project.Covid19_and _Education`
WHERE Age_of_Subject > 30 AND Preferred_social_media_platform = 'Instagram';
-- (3% of 31-59 preferred Instagram, 2 out of 68)

--Where age is between 18-30 and preferred social media is instagram
SELECT*FROM `data-analytics-sql-378420.Final_Project.Covid19_and _Education`
WHERE Age_of_Subject BETWEEN 18 AND 30 AND Preferred_social_media_platform ='Instagram'
--299 out of 812 (18-30)preferred Instagram (37%)

--Where age is between 7-17 and preferred social media is instagram
SELECT*FROM `data-analytics-sql-378420.Final_Project.Covid19_and _Education`
WHERE Age_of_Subject BETWEEN 7 AND 17 AND Preferred_social_media_platform = 'Instagram'
ORDER BY Age_of_Subject asc;
--51 out of 302 (7 -17)(17%)
```

--Age and Ratings of online experiences

```
SELECT*FROM `data-analytics-sql-378420.Final_Project.Covid19_and _Education`  
WHERE Age_of_Subject BETWEEN 7 AND 30 AND Rating_of_Online_Class_experience IN ('E  
xcellent', 'Good');
```

--300 out of 1114(7-30) said excellent and good (30%)

```
SELECT*FROM `data-analytics-sql-378420.Final_Project.Covid19_and _Education`  
WHERE Age_of_Subject BETWEEN 31 AND 59 AND Rating_of_Online_Class_experience IN ('  
Excellent', 'Good');
```

--28 out of 68 (31-59)said excellent and good (40%)

--Ratings and Medium

```
SELECT*FROM `data-analytics-sql-378420.Final_Project.Covid19_and _Education`  
WHERE Rating_of_Online_Class_experience = "Very poor" AND Medium_for_online_class_  
_1st_Option_='Laptop';
```

```
SELECT*FROM `data-analytics-sql-378420.Final_Project.Covid19_and _Education`  
WHERE Rating_of_Online_Class_experience = "Very poor" AND Medium_for_online_class_  
_1st_Option_='Smartphone';
```

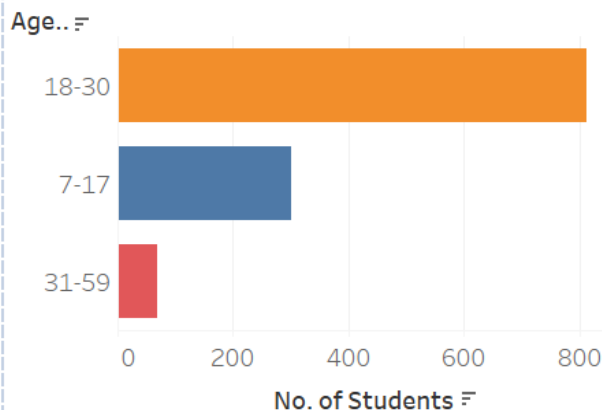
--211 out of 413 very poor used smartphone (51%) or 182 of 413 used Laptop (44%)

Covid19 and Education

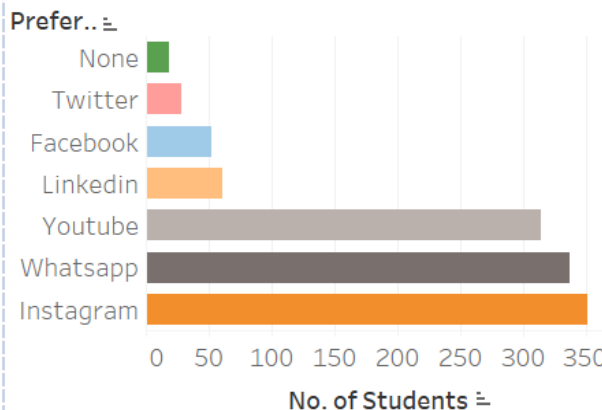
Stress Busters by Students



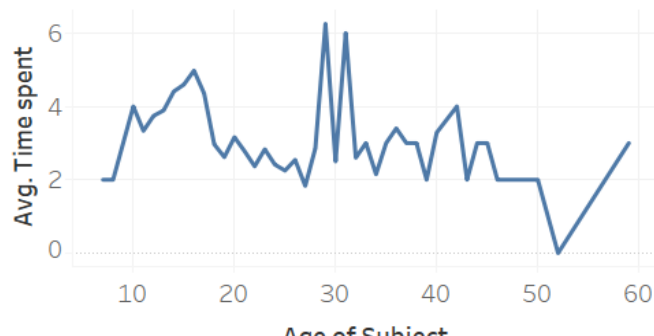
Age Group by No. of Students



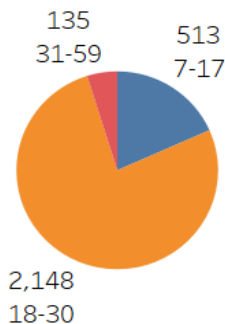
Preferred Social Media by Students



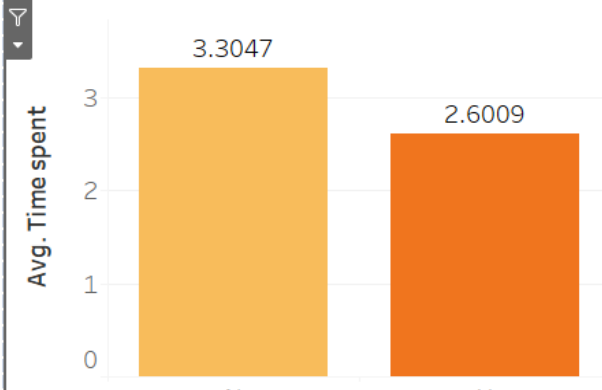
Avg. Time spent on Online class by Age of Student



Age Group by Social Media



Health Issues and Online Classes



Recommendations/Insights

Key Findings

- The 18-30 age group spent the most amount of on Social Media
- The highest avg time spent on Online class is 6.25
- The preferred social media by the students is Instagram
- The most common stress buster is listening to music
- 51% of students who rated the online class poor, used a smartphone
- 40% of 31-59 rated online experience excellent and good
- 37% of 18-30 used Instagram compared to 3% of 31-59 used Instagram

Challenges

Weakness

- A huge proportion of the students (812 out of 1182) were between the ages of 18-30 which skewed the results greatly.
- Sample size of 1182 is not a huge proportion of the population to make concrete conclusions of how covid 19 impacted all students.
- Could not tell if the time spent was in hours or minutes or whether it was per day or per week.



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Conclusion and Key Learnings

1.

Why did you choose to transition to Data Analytics and what role would you like to work in following what you've learned.

I joined this bootcamp in a very difficult time in my life. I had no job, I was stressed from my previous role and wasn't too sure of my future. I have always had a love for solving questions through numbers. My friend told me about the bootcamp. I have always loved the thought of having a job that will provide the flexibility of working remotely so I did some research and I saw that tech is the future and is changing and improving a lot of industries and I wanted to be part of that; so I decided to apply for the bootcamp

2. **What are your top 3 key learnings: Educationally, Personally, Career-wise.**

- Really enjoyed learning Excel, tableau, Power BI and sql. I wish I had more time to really delve into the different tools and programs and I will be ensuring I do so. Personally, I have always pride myself about staying committed however I really doubted myself when I started a new job role so I am learning to do my best and trust that things will fall into place . Career-wise, I was really impressed by the amount of knowledge that Niyo imparted, I learnt a lot about GitHub and LinkedIn and I will continue to use and develop my skills on these platforms. I believe that writing articles is a brilliant way of engaging with your role and for others to learn so I would love to do that. Thank you for listening.




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Any Questions

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