

PRASANTA CHANDRA MAHALANOBIS

"FATHER OF MODERN STATISTICS IN INDIA"

Prasanta Chandra Mahalanobis (29 June 1893 – 28 June 1972) was an Indian scientist and statistician from erstwhile Bengal (now West Bengal). He is best remembered for the Mahalanobis distance, a statistical measure, and for being one of the members of the first Planning Commission of free India. He made pioneering studies in anthropometry in India. He founded the Indian Statistical Institute, and contributed to the design of large-scale sample surveys. For his contributions, Mahalanobis has been considered the father of modern statistics in India. Mahalanobis distance is one of the most widely used metrics to find how much a point diverges from a distribution, based on measurements in multiple dimensions. It is widely used in the field of cluster analysis and classification. It was first proposed by Mahalanobis in 1930 in context of his study on racial likeness. He was awarded with Padma Vibhushan by government of India in 1968.

The government of India decided in 2006 to celebrate his birthday, 29 June, as **National Statistical Day**.



A MEASURE OF ASSOCIATION OF ATTRIBUTES PROJECT

PRESENTED BY:
STUDENTS
OF
2ND SEMESTER
DEPARTMENT OF STATISTICS

PARTICIPANTS ARE :-

- NIKITA JHA AND DEBOLINA CHATTERJEE(FULL WRITE UPS)
- PARAMITA BHATTACHARYA(GOOGLE FORM AND PRESENTATION)
- SWARNASISH BANERJEE(CALCULATION)
- SUMIT KANSHABANIK AND SHREYASHI BAGCHI(PROJECT ASSIST)
- ARKAJYOTI GHOSH(PRESENTATION)

RELATION BETWEEN
DISTANCE STUDY
AND ONLINE STUDY
APPROACH OF STUDENTS

❖ INTRODUCTION :-

The World Health Organization has declared the pandemic of the novel SARS-CoV2 infection early this year and it has now become a major public health challenge worldwide. The infection control and physical distancing measures are crucial to prevent the virus from further spreading and to help control the pandemic situation. The policy of compulsory physical distancing has been implemented in many countries, resulting in nationwide school and university closures. In accordance with this policy, academic institutions are compelled to make appropriate and timely modification in order to continue to deliver education and to sustain the continuation of student academic progress. The teaching and learning activities were immediately shifted to a full E-learning. E-learning is defined as learning that makes use of Information and Communication Technologies (ICTs). The incorporation of technological resources and innovative education strategies has transformed the teaching and learning processes. Previous studies have shown various e-learning and online learning tools that are effective for teaching and learning in the fields of health profession. The knowledge gain and performance of the students as a result of E-learning were shown to be equivalent to that of face to face methods. Blended learning is mainly defined as the integration of classroom and distance learning to facilitate an independent, interactive and collaborative learning among students. However, to understand it in a more general perspective, blended learning approach redesign courses that are developed, scheduled and implemented through a combination of physical and virtual learning activities. It was previously reported that blended learning provides better student's satisfaction, motivation, student engagement and performance. This approach promotes active and self-directed learning and has gained acceptance in academic education as a complementary method to traditional learning. Despite previous reports on the comparison of classroom and distance learning, the evaluation on the student-centered active learning approaches that are delivered through blended learning methods compared to full online learning has not been widely available. The majorities of studies on distance learning method reported student perception of virtual learning modules that were integrated with classroom learning. Student feedback could provide important information for the evaluation of distance learning so as to improve future learning strategies. Therefore, the study aimed to analyze student perspective delivered through full distance learning compared to the classroom learning study program. An online questionnaire was distributed to

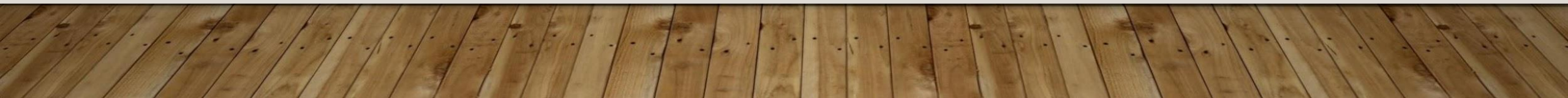
❖ OBJECTIVES :-

➤ **To provide an effective alternative path to wider opportunities in education and especially in higher education:**

There are different categories of potential learners. There are some who never been able to enter into any institution of higher learning. There are some who just need additional knowledge in a particular discipline. There are still others who are in need of refresher courses to cope with the latest development in their perfection. For all of those there is need for distance learning or correspondence education.

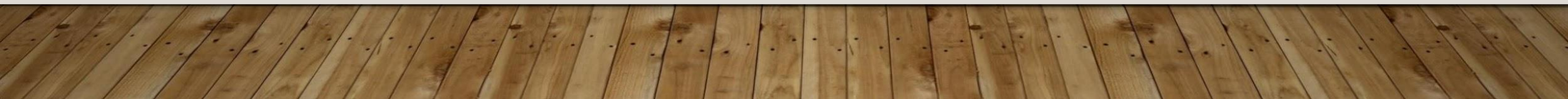
➤ **To provide an efficient and less expensive education:** Provision of universal schooling is beyond the means of our country. Increasing population and limited resources is the predicament of our educational planners. It is difficult to divert huge sums of money in a developing economy to match the required level of expansion for traditional schooling. Distance education is the only practical alternative.

➤ **To provide education facilities to all qualified and willing persons:** The objective of correspondence courses is to provide education facilities to all qualified and willing persons who are unable to join regular university and other courses due to various reasons. For them, there is an incessant search for an alternative system and that system is distance education.



➤ **To provide opportunities of academic pursuits to educated citizens willing to improve their standard of knowledge:** There are many learners, both young and adults, who cannot afford to join the face-to-face system of education due to personal and professional responsibilities. For such type of persons, some provisions have to be made through distance education. Hence, the objective is to provide opportunities to improve the standard of knowledge and learning through continuing education while in employment.

➤ **To provide education facilities to those individuals who look upon education as a life-long activity:** Distance education facilities are needed for those individuals who look upon education as a life-long activity or to acquire knowledge in a new area. Because lifelong education is emphasized for all stages of life. “Life-long education is a cherished goal of the educational process”. This presupposes universal literacy. Opportunities will be provided to the youth, housewives, agricultural and industrial workers and professionals to continue the education of their choice, at the pace suited to them. The future thrust will be in the direction of open and distance learning. The distance learning system must be well-supported with instructional materials, and suitable radio and television programmes in different areas of study. This correspondence education or distance learning is becoming popular and being accepted as an alternative and economical approach to our formal education system.



PROJECT WORK BREAKDOWN STRUCTURE:-

This project is organized in the following subdivisions :

- Creating a **Google form** to acquire data of various students, all around **West Bengal**, regarding their preference of online or offline class over the distance of home from college.
A data of 400+ students have been recorded positively.
- Collected **primary data** was then scrutinised and divided into sections ;
The class was differentiated as **online** and **offline** and the distance was partitioned as **long distance** and **short distance**.
- Based on the above sections, **tally marks** were performed for presentation of data in cellular form, and were recorded.
- A **2 x 2 table** is constructed.
- The cell-frequencies, together with the grand total, gives the **joint (frequency) distributions** of the attributes, because they show how the two attributes vary jointly in the given group of individuals.
- The **row-totals** (marginal frequencies) together with the grand total, gives the distribution of attribute “**classes**”.
- The **column-totals**. together with the grand total, gives the marginal distribution of “**distance**”.
- **Formulas by Yule** are thereby used for the calculations which are,
 - Coefficient of association
 - Coefficient of colligation.
- An **inference** has been drawn by analysing data in a broader sense, which marks the end of this project.

SOURCES OF DATA

General Survey

Description

...

1. Full Name: *

Short-answer text

2. District (you stay): *

Short-answer text

3. Nearby railway station (near to your home): *

Short-answer text

4. Your College Name: *

Short-answer text

5. District (of your college): *

Short-answer text

6. Prefer doing online classes: *

☐ YES

☐ NO

7. Which one is better:(in terms of distance of your home from your college) *

☐ Online classes

☐ Offline classes

Timestamp	1. Full Name:	2. District (you stay):	3. Nearty railway station	4. Your College Name:	5. District (of your college)	6. Prefer doing online clas	7. Which one is better:
6/25/2021 18:57:19	Sumanash Banerjee	Hooghly	Konnagar	Sundernagar College	Kolkata		(in terms of distance of your home from your college)
6/25/2021 18:59:12	Debaraj Mahapatra	Hooghly	Baidyhat	Maulana Azad College	Kolkata	NO	Online classes
6/25/2021 19:00:42	Parmita Bhattacharya	Kamarhati	Belghoria station	Sundernagar College	Sealdah	NO	Online classes
6/25/2021 19:02:23	Soumitra Santra	Hooghly	Serampore	Bidhannagar Govt. Colling	North 24 Parganas	NO	Online classes
6/25/2021 19:02:42	Ayan choudhury	Birbhum	Moulapur	Vivek Bharati	Birbhum	YES	Online classes
6/25/2021 19:02:56	Spandan Bhattacharye	Birbhum	Majherhat	Vivekananda College	Kolkata	NO	Online classes
6/25/2021 19:03:01	Shreyas Bagchi	North 24 Parganas	Dumdum Junction	Sundernagar College	Kolkata	YES	Online classes
6/25/2021 19:03:05	Srimoy Chaudhuri	North 24 Parganas	Belgharia	St.Xaver's College	Kolkata	NO	Online classes
6/25/2021 19:04:03	Sayan Nag	Howrah	Howrah station	Sister nivedita goverment Kolkata		YES	Online classes
6/25/2021 19:04:17	Aneq y	Birbhum	Moulapur Railway Station	Vivek-Bharati	Birbhum	NO	Online classes
6/25/2021 19:04:21	Sampati dey	Kolkata	Asutosh College	Asutosh College	Kolkata	NO	Online classes
6/25/2021 19:04:50	Shivam Marly	Kolkata	Bagbajpur	Asutosh college	Kolkata	YES	Online classes
6/25/2021 19:05:02	Soham Chatterjee	Hooghly	Serampore	SXC	Kolkata	NO	Online classes
6/25/2021 19:05:06	Pritam Saha	Darjeeling	NJP, Siliguri	St. Xavier's College, Kolk	Kolkata	NO	Online classes
6/25/2021 19:05:34	Sayanika Sinha	Birbhum	Bolpur-Sankiniketan	Vivek-Bharati	Birbhum	NO	Online classes
6/25/2021 19:06:08	Kamisha Acharya	North 24 parganas	New Baranapur	Bethune College	Kolkata	YES	Online classes
6/25/2021 19:06:40	Druinoy ganguly	North 24 pgs	Baranapore	APC college	North 24 pgs	YES	Online classes
6/25/2021 19:06:47	Momo Momo	Hooghly	Serampore	Presidency University	Kolkata	YES	Online classes
6/25/2021 19:06:48	Sriyana Mukherjee	Howrah Junction	Dum Dum	Maulana Azad College	Kolkata	NO	Online classes
6/25/2021 19:09:43	Rebanta Halder	North 24 Parganas	Dum Dum	Maulana Azad College	Kolkata	NO	Online classes
6/25/2021 19:10:54	Sumandeep Bhattacharya	South 24 Parganas	Baranpur	Sundernagar College	Kolkata	YES	Online classes
6/25/2021 19:11:41	Ananya Pal	Kolkata	Bidhannagar	Jadavpur University	Kolkata	NO	Online classes
6/25/2021 19:12:52	Debesina Biswas	Kolkata	Dumdum	Vidyasagar College for w	Kolkata	NO	Online classes
6/25/2021 19:12:56	Sampann Kar	North 24 pgs.	Ichapur	St. Xavier's College	Kolkata	NO	Online classes
6/25/2021 19:13:43	Chayan Bhattacharya	North 24 Parganas	Dumdum Jn	Sundernagar College	North 24 Parganas	YES	Online classes
6/25/2021 19:14:46	Chayan Kumar Guin	Hooghly	Serampore	Scottish Church college	Kolkata	YES	Online classes
6/25/2021 19:15:40	Rajendra Roy	North 24 Parganas	Armbika kalua	Vivekananda college	Paschim Bardhaman	NO	Online classes
6/25/2021 19:16:18	Swapanid Das	North 24 Parganas	Dahlneswar	NT Rourkela	Sundergarh,Odisha	NO	Online classes
6/25/2021 19:16:59	Shreya Das	North 24 pargana	Belgharia	BP PODDAR Institute of Ma	Dumdum	YES	Online classes
6/25/2021 19:16:12	Srijata Pany	North 24 Parganas	Baranagar	Jadavpur University	South 24 Parganas	NO	Online classes
6/25/2021 19:16:18	Debolina Chatterjee	North 24 pgs	Souptik	Sundernagar college	North 24 pgs	NO	Online classes
6/25/2021 19:18:54	Altauu Saha	North 24 Parganas	Kanchrapara	Karjyati Mahavidyalaya	Nadia	YES	Online classes
6/25/2021 19:20:42	Debarati Kyal	24 pgnH	Khardah	Asutosh College	Kolkata	YES	Online classes
6/25/2021 19:21:32	Suneeta Dutta	South 24pgs	Garia	Basanti Devi College	South 24pgs	YES	Online classes
6/25/2021 19:21:49	Rishikesh Das	South 24 Parganas	Sonarpur	Presidency University	Kolkata	NO	Online classes
6/25/2021 19:22:02	Arindam Das	North 24 Parganas	Dahlneswar railway st	Sundernagar college	Kolkata	NO	Online classes
6/25/2021 19:22:22	Sneha Keshari	North 24 Pargana	Dakshineswar Railway Stn	Shibdasrayan College Central Kolkata		NO	Online classes
6/25/2021 19:22:47	Surya Banerjee	North 24 Parganas	Sankhati railway station	Acharya prafulla chandra	North 24 Parganas	NO	Online classes
6/25/2021 19:22:50	Pragnya Bhattacharya	Hooghly	Singur	Sister Nibedita Girls Genae	Howrah	NO	Online classes
6/25/2021 19:24:14	NABARUP PAL	Kolkata	Dum dum railway station	St. Xavier's College	Kolkata	NO	Online classes
6/25/2021 19:25:01	Debasmita Roy	Dumdum	St. Thomas' College of Ed	Kolkata	YES	Online classes	
6/25/2021 19:24:54	SHABANUR CHAKRABORTY	KOLKATA	JADAVPUR	SUNDERNANATH COLLI	KOLKATA	YES	Online classes
6/25/2021 19:24:33	Suhanta Dutta	Kolkata	New Alipore	Jadavpur university	Kolkata	YES	Online classes
6/25/2021 19:24:35	Rebanta Pruthi	Howrah	Howrah station	Vivekananda college	Kolkata	NO	Online classes
6/25/2021 19:24:58	Shrutikahm Kabati	Kolkata	Kolkata station	Lady Brabourne College	Kolkata	NO	Online classes
6/25/2021 19:25:15	Rishi Das	North 24 Parganas	Dum Dum	Seth Anandram Japuria	North 24 Parganas	NO	Online classes
6/25/2021 19:25:16	Rishika Ghosh	Hooghly	Uttarpara	Bethune college	Kolkata	NO	Online classes
6/25/2021 19:25:17	Deepayan Pal	Nadia	Phulia	Karjyati Mahavidyalaya	Nadia	YES	Online classes
6/25/2021 19:26:07	Soumya Ghosh	Howrah	Domjur	B.P.M.J.U.T		NO	Online classes
6/25/2021 19:26:07	Ishika Jaiswal	North 24 Parganas, west	Dahlneswar	Maharani kaseewari college	West Bengal	NO	Online classes
6/25/2021 19:27:19	Pratiksha Chatter	Madpur	B.P. Pradip Medical	University of M. Kolkata		NO	Online classes
6/25/2021 19:29:23	Souvar	East singhbhum	Tatanagar Junction	Report	Vip road ,Kolkata	YES	Online classes
6/25/2021 19:32:12	souvik Bera	Kolkata	dumdum	Asutosh College	Kolkata	NO	Online classes
6/25/2021 19:32:18	Ritam Sarkar	Hooghly	Konnagar	Presidency University	Kolkata	NO	Online classes
6/25/2021 19:32:37	Akshaym Basak	North 24 Parganas	Bidhannagar Railway Stat	Sundernagar College	Kolkata	YES	Online classes
6/25/2021 19:32:56	Shashy Ranjan	North 24 parganas	Dumdum Junction	Sundernagar College	Kolkata	YES	Online classes
6/25/2021 19:34:10	Narmata Purnak	Howrah	Ramatolita station	Dr. Kanaila Bhattacharya Howrah		NO	Online classes
6/25/2021 19:34:26	Nikita Jha	North 24 Parganas	Baranagar	Sundernagar College	Kolkata	NO	Online classes
6/25/2021 19:34:31	SC	Kolkata	Tatanagar	Vip road kolkata		YES	Online classes
6/25/2021 19:35:37	Mousumi Basak	North 24 Parganas	Dumdum	WBSU	North 24 Parganas	NO	Online classes
6/25/2021 19:35:56	Shash Ranjan	Gaya	Yes	BPMFT	Kolkata	NO	Online classes
6/25/2021 19:36:15	Uditu Das	Baridhaman	Chitranjan station	Scottish Church College	Kolkata	NO	Online classes
6/25/2021 19:36:20	Sayak Sen	Nadia	Debagam	Karjyati university	Nadia	NO	Online classes
6/25/2021 19:36:35	Soumik Dash	Jhargam	Jhargam	Asutosh college	Kolkata	NO	Online classes
6/25/2021 19:36:47	Rishy Kishan Dutta	Hooghly	Konnagar	Serampore College	Hooghly	NO	Online classes
6/25/2021 19:36:56	Rishabir dey	Kolkata	Uttarpara	Asutosh college	Kolkata	YES	Online classes
6/25/2021 19:37:19	Saurabh	Jharkhand	Makaul	Kolkata		YES	Online classes
6/25/2021 19:38:00	Debolina Chatterjee	North 24 pgs	Solepur	Sundernagar College	North 24 pgs	NO	Online classes
6/25/2021 19:38:14	Raj Mondal	Bankura	Belaitore	Asutosh college	Kolkata	YES	Online classes
6/25/2021 19:38:14	Binay Mohan Dutta	Hooghly	Konnagar	Serampore College	Hooghly	NO	Online classes
6/25/2021 19:38:23	KRITTIKA PAL	NORTH 24 PARGANAS	YES	RCC INSTITUTE OF INF	KOLKATA	NO	Online classes
6/25/2021 19:38:33	Swarna Chowdhary	Howrah	Santargachi station	Asutosh College	Kolkata	YES	Online classes
6/25/2021 19:39:27	Rohav	Jharkhand	Makaul	Kolkata		YES	Online classes
6/25/2021 19:40:22	Satradip Mondal	North 24 Parganas	Dumdum Railway Station	Sundernagar College	Kolkata	NO	Online classes
6/25/2021 19:40:33	Sourav Ghosh	Hooghly	Serampore	Sundernagar College	Kolkata	NO	Online classes
6/25/2021 19:41:37	SNEHANGSHU BHUNJ	BIRBHUM	DURGAPUR	VISVA - BHARATI UNIVE	BIRBHUM	NO	Online classes
6/25/2021 19:49:31	Rishav Mitra	Kolkata	Kolkata Station	Bidhannagar College	Kolkata	YES	Online classes
6/25/2021 19:49:45	Nikita Jha	Bolbo na	Jani na	SNC	India	YES	Online classes
6/25/2021 19:50:21	Sneha Rana	Howrah	Uuberla	Asutosh College	Kolkata	NO	Online classes
6/25/2021 19:51:07	Aashika Nandy	Shalimar	Asutosh College	Kolkata	YES	Online classes	
6/25/2021 19:52:54	Chirag modi	North 24 pargana	Uttarpara	Umeshchandra college	North 24 pargana	YES	Online classes
6/25/2021 19:56:43	Shreya Kundu	North 24 parganas	Belgharia	Sundernagar college	Kolkata	YES	Online classes
6/25/2021 19:56:11	Ritunaj Datta	Kolkata	Sealdah	Sundernagar college	Kolkata	YES	Online classes
6/25/2021 19:58:33	Ninaj Gupta	North 24 parganas	Khardah	Sundernagar college	Kolkata	NO	Online classes
6/25/2021 19:58:43	Mishru Chakraborty	West Bengal	Asansol	WBSU	North 24 parganas	YES	Online classes
6/25/2021 19:59:20	Ning Gupta	North 24 parganas	Khardah	Sundernagar college	Kolkata	NO	Online classes
6/25/2021 20:00:57	Tanima Sarkar	Kolkata	Yes	Maharani kaseewari college	Kolkata	YES	Online classes
6/25/2021 20:01:01	Trij Dey	North 24 Parganas	Dumdum Junction	Bidhannagar Govt Colling	North 24 Parganas	NO	Online classes
6/25/2021 20:01:21	Pritya Saha	Nadia	Nabadwip dham	Nabadwip vidyasagar col	Nadia	NO	Online classes
6/25/2021 20:01:50	Sreysha Ghosh	Baranagar	Jogendra Chandra Chaudh	Kolkata	YES	Online classes	
6/25/2021 20:01:38	Sayanika Dey	Howrah	Howrah	Asutosh	Kolkata	YES	Online classes
6/25/2021 20:01:40	Avinandini Neogy	DumDum	Rabindra Bharati Univer	Kolkata	NO	Online classes	
6/25/2021 20:01:46	Ishank ai	Murshidabad	Jadpur railway station	Bidhannagar college	North 24 parganas	NO	Online classes
6/25/2021 20:02:07	Souptika Majumdar	North 24 Pargana	Dahlneswar	Bidhannagar Govt colling	North 24 Parganas	NO	Online classes

Timestamp	1. Full Name:	2. District (you stay):	3. Nearty railway station	4. Your College Name:	5. District (of your college)	6. Prefer doing online class (in terms of distance of your home from your college)	7. Which one is better:
6/25/2021 20:02:10	Sunetra Barick	Kolkata	Sealdah	Baliygunge science College Kolkata	NO	NO	Online classes
6/25/2021 20:02:34	ARNAB BASAK	NADIA	NABADWIP DHAM	ACADEMY OF TECHNOLOGY HOOGHLY	NO	NO	Offline classes
6/25/2021 20:02:37	ARCHYADEEP MATI	SOUTH 24 PARGANAS	AKRA RAILWAY STATION	VIVEKANANDA COLLEGE KOLKATA	NO	NO	Offline classes
6/25/2021 20:02:47	Souraj Chakraborty	Howrah	HOWRAH	Autosh College Kolkata	YES	NO	Offline classes
6/25/2021 20:03:35	Srabani Paul	Nadia	Bishrupriya	Academy of Technology Hooghly	NO	NO	Offline classes
6/25/2021 20:03:53	Rikta saha	West Bengal	Bidhannagar railway station	MAHARANI KASESWARI West Bengal	NO	NO	Offline classes
6/25/2021 20:04:45	Rikta saha	West Bengal	Bidhannagar railway station	MAHARANI KASESWARI West Bengal	NO	NO	Offline classes
6/25/2021 20:05:24	Rikta saha	West Bengal	Bidhannagar railway station	MAHARANI KASESWARI West Bengal	NO	NO	Offline classes
6/25/2021 20:05:53	Preet Paul	Kolkata	Kolkata Station	Bidhannagar college North 24 parganas	NO	NO	Offline classes
6/25/2021 20:06:18	Rima Dey	Kolkata	Dumdum	THK Jan College Kolkata	NO	NO	Offline classes
6/25/2021 20:06:35	Swanadeep Datta	Hooghly	Baidyabati	Maulana Azad College, U Kolkata	NO	NO	Offline classes
6/25/2021 20:06:37	Anuradha Sett	Howrah	Howrah	Rajabajar Science College Kolkata	NO	NO	Offline classes
6/25/2021 20:06:58	Shubhaji Roy	Nadia	Bishrupriya and Nabadiwi	BPC Institute of Technology Nadia	NO	NO	Offline classes
6/25/2021 20:08:08	Soumi Mukherjee	Howrah	Howrah	Sister Nibedita Government South 24 Parganas	NO	NO	Offline classes
6/25/2021 20:08:11	Prankishor ghosh	Kolkata	Dumdum	Maulana azad college Kolkata	NO	NO	Offline classes
6/25/2021 20:08:57	Indranilaskar	Nadia	Nabadwip Dham	Sri Ramkrishna medical in Durgapur	YES	NO	Online classes
6/25/2021 20:09:17	Sumantrana Dutta	North 24 Parganas	Baranagar Station	GURU NANAK INSTITUTE North 24 parganas	YES	NO	Offline classes
6/25/2021 20:09:55	DEBOSMITA GHOSH	KOLKATA	Dumdum	Seth Anandram Japuria Kolkata	NO	NO	Offline classes
6/25/2021 20:10:33	NANDINI SAHA	NADIA	NABADWIP DHAM	JIS COLLEGE OF ENGINEERING Nadia	NO	NO	Offline classes
6/25/2021 20:10:40	Ank Kundu	Howrah	Howrah Station	Bidhannagar Government Kolkata	YES	NO	Online classes
6/25/2021 20:10:41	Saranti De	Kolkata	Bidhan Nagar Road	University of Calcutta Kolkata	YES	NO	Online classes
6/25/2021 20:10:49	SRIJA GHOSH	NADIA	NABADWIP DHAM	JIS COLLEGE OF ENGINEERING NADIA	NO	NO	Offline classes
6/25/2021 20:11:06	Ananyo Dey	Nadia	Nabadwip Dham	Maulana Azad college Kolkata	NO	NO	Offline classes
6/25/2021 20:13:34	Shuvam Nandi	North 24 Parganas	Baranagar Road	St.Pauls Cathedral Missic Kolkata	YES	NO	Offline classes
6/25/2021 20:14:33	Debasmita Bose	Jalpaiguri	Road station	SISTER NIVEDITA COLLEGE West Bengal	NO	NO	Offline classes
6/25/2021 20:14:53	Somdeep Sardar	North 24 Pgs	Dum-Dum	B.P.PODDAR Institute of North 24 Pgs	YES	NO	Offline classes
6/25/2021 20:15:08	Nimbar Bhattacharya	Burdwan	Burdwan railway station	Bidhannagar college Kolkata	NO	NO	Offline classes
6/25/2021 20:15:28	Avipya Bakshi	Kolkata	Tollygunge	Sister Nibedita College Kolkata	NO	NO	Offline classes
6/25/2021 20:15:41	Somnath Dutta	Nadia	Krishnagar junction	Krishnagar government o Nadia	YES	NO	Offline classes
6/25/2021 20:16:43	Jamir hosain Nailya	South 24 Pgs	Joyranger mazipur	Bidhannagar college North 24 Pgs	YES	NO	Online classes
6/25/2021 20:16:49	Debkanta Nag	Nadia	Nabadwip Dham	Ramakrishna Mission Vid Howrah	YES	NO	Online classes
6/25/2021 20:17:25	Soumi Dalui	Kolkata	Sealdah railway station	Presidency University Kolkata	NO	NO	Offline classes
6/25/2021 20:18:22	Shubhradeep Kamakar	Nadia	Nabadwip Dham	Haldia Institute of technology East Midnapore	YES	NO	Offline classes
6/25/2021 20:19:59	Pratyay Kumar Sur	North 24 Parganas	Gobardanga	ACHARYA PRAFULLA CH North 24 Parganas	NO	NO	Offline classes
6/25/2021 20:20:51	Aditi Baral	Kolkata	Bidhannagar station	Seth Anandram Japuria Kolkata	NO	NO	Offline classes
6/25/2021 20:21:40	Purnamshree Pal	North 24 Pargana	Baranagar Station	Seth Anandram Japuria Kolkata	NO	NO	Offline classes
6/25/2021 20:21:43	Souvik Bag	Nadia	Nabadwip Dham	Ashutosh College Kolkata	NO	NO	Offline classes
6/25/2021 20:21:53	Ripan Das	North 24 pargana	Dumdum jn	Jadavpur University Kolkata	NO	NO	Offline classes
6/25/2021 20:22:01	SDP	Murshidabad	Behnampur	Jadavpur University Kolkata	NO	NO	Offline classes
6/25/2021 20:22:39	Srijib pal	Bankura	Bankura	JIS college of Engineering Nadia	YES	NO	Offline classes
6/25/2021 20:23:17	Ripan Das	North 24 pargana	Dumdum jn.	Jadavpur University Kolkata	NO	NO	Offline classes
6/25/2021 20:23:42	Rounak Paul	Howrah	Bagnan	Midnapur College West midnapur	NO	NO	Offline classes
6/25/2021 20:24:23	BISWARUP GOSWAMI	WEST BENGAL	MAGRA	MEGHNAD SAHA INSTITUTE KOLKATA	YES	NO	Offline classes
6/25/2021 20:24:58	AYSHK NASKAR	Paschim Bardhaman	Asansol Jn	Haldia Institute of Technology Purba Medinipur	NO	NO	Offline classes
6/25/2021 20:26:07	Swaponil Mondal	Howrah	Howrah Station	Bidhannagar College Kolkata	NO	NO	Offline classes
6/25/2021 20:26:14	Rakhi Barman	Hooghly	Konnagar	Diamond harbour government South 24 parganas	NO	NO	Offline classes
6/25/2021 20:26:18	Rohan Chatterjee	North 24 pargona	Dumdum Junction	Bidhannagar College North 24 Pargona	NO	NO	Offline classes
6/25/2021 20:27:28	Anisha Guha Roy	Kolkata	Sealdah	Presidency University Kolkata	NO	NO	Offline classes
6/25/2021 20:27:59	Disha Chakraborty	Howrah	Santargachi Railway Station	Bidhannagar Govt. College Kolkata	NO	NO	Offline classes
6/25/2021 20:28:38	Rakim Ray	Kolkata	Jadavpur station	Jadavpur University Kolkata	NO	NO	Offline classes
6/25/2021 20:29:00	Nikita Jha	North 24 Parganas	Baranagar	Sundernagar College Kolkata	NO	NO	Offline classes
6/25/2021 20:29:41	Navendra Modi	Ahmedabad	Ahmedabad station	Gandhi University Ahmedabad	NO	NO	Offline classes
6/25/2021 20:29:55	SOMIRIK CHAKRABORTY	HOWRAH	SHALIMAR RAILWAY ST	JADAVPUR UNIVERSITY KOLKATA	NO	NO	Offline classes
6/25/2021 20:30:07	Partha Sarkar	North 24 Parganas	Thakurnagar	Haldia Institute of Technology Purba Medinipur	NO	NO	Offline classes
6/25/2021 20:30:18	Amab satpali	Bankura	Bankura	Jadavpur University Kolkata	NO	NO	Offline classes
6/25/2021 20:31:09	Anuska Roy	Malda	Malda station	Jadavpur University Kolkata	NO	NO	Offline classes
6/25/2021 20:31:56	Riya Paul	Kolkata	Bothanagar	Victoria college Kolkata	YES	NO	Offline classes
6/25/2021 20:32:33	SHRI PRAKASH CHOUB	Rohtas	Sasaram	Haldia Institute of Technology Haldia	NO	NO	Offline classes
6/25/2021 20:34:04	SHIVAM KUMAR KUSHI	PURBA MEDINIPUR	Durgachak	Haldia Institute of Technology PURBA MEDINIPUR	NO	NO	Offline classes
6/25/2021 20:34:39	Partha Pratim Das	Nadia	Nabadwip dham	Haldia Institute of Technology Purba Medinipur	YES	NO	Offline classes

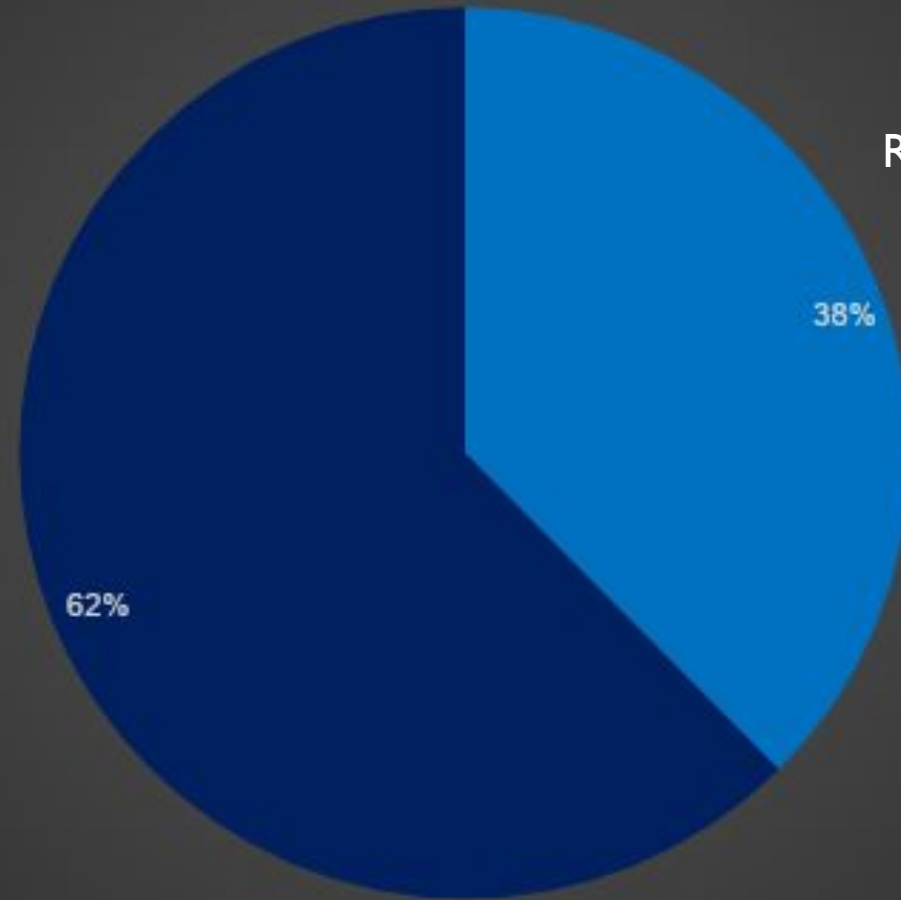
6/25/2021 20:06:18	Rima Dey	Kolkata	Dumdum	THK Jan College	Kolkata	NO	Online classes	
6/25/2021 20:06:35	Swanadeep Datta	Hooghly	Baidyabati	Maulana Azad College, U	Kolkata	NO	Online classes	
6/25/2021 20:06:37	Anuradha Seng	Howrah	Howrah	Rajabajar Science Colleg	Kolkata	NO	Online classes	
6/25/2021 20:06:58	Shubhaji Roy	Nadia	Bishrupriya and Nabadow	BPC Institute of Technolo	Nadia	NO	Online classes	
6/25/2021 20:08:08	Soumi Mukherjee	Howrah	Howrah	Sister Nibedita Govenme	South 24 Parganas	NO	Online classes	
6/25/2021 20:08:11	Prankishor ghosh	Kolkata	Dumdum	Maulana azad college	Kolkata	NO	Online classes	
6/25/2021 20:08:11	Prankishor ghosh	Nadia	Nabadwip Dham	Sri Ramkrishna medical i	Durgapur	YES	Online classes	
6/25/2021 20:09:17	Sumatransa Dutta	North 24 Parganas	Baranagar Station	GURU NANAK INSTITUTE	North 24 parganas	YES	Online classes	
6/25/2021 20:09:55	DEBOSMITA GHOSH	KOLKATA	Dumdum	Seth Anandram Japuria	Kolkata	NO	Online classes	
6/25/2021 20:10:33	NANDINI SAHA	NADIA	NABADWIP DHAM	JIS COLLEGE OF ENGIN	NADIA	NO	Online classes	
6/25/2021 20:10:40	Ank Kundu	Howrah	Howrah Station	Bidhannagar Government	Kolkata	YES	Online classes	
6/25/2021 20:10:41	Santanu De	Kolkata	Bidhan Nagar Road	University of Calcutta	Kolkata	YES	Online classes	
6/25/2021 20:10:49	SRUJA GHOSH	NADIA	NABADWIP DHAM	JIS COLLEGE OF ENGIN	NADIA	NO	Online classes	
6/25/2021 20:11:06	Ananya Dey	Nadia	Nabadwip Dham	Maulana Azad college	Kolkata	NO	Online classes	
6/25/2021 20:13:08	Pranay Nandy	North 24 Parganas	Baranagar Road	St Pauls Cathedral Missi	Kolkata	YES	Online classes	
6/25/2021 20:14:23	Debnobroto Bose	Jalpaiguri	Road station	NETS WESTERLY COLL	West Bengal	NO	Online classes	
6/25/2021 20:14:53	Sourendra Sarder	North 24 Pjs	Dum-Dum	B.P.PODDAR Institute of	North 24 Pjs	YES	Online classes	
6/25/2021 20:15:08	Nandini Bhattacharya	Burdwan	Burdwan railway station	Bidhannagar college	Kolkata	NO	Online classes	
6/25/2021 20:15:28	Arpita Baski	Kolkata	Tollygunge	Sister Nibedita College	Kolkata	NO	Online classes	
6/25/2021 20:15:41	Somnath Dutta	Nadia	Krishnagar junction	Krishnagar government o	Nadia	YES	Online classes	
6/25/2021 20:16:43	Jamir hossan Nayla	South 24 Pjs	Jaypur madzpur	Bidhannagar college	North 24 Pjs	YES	Online classes	
6/25/2021 20:16:49	Debkanta Nag	Nadia	Nabadwip Dham	Ramakrishna Mission Vid	Howrah	YES	Online classes	
6/25/2021 20:17:25	Soumya Kundu	Kolkata	Sealdah railway station	Presidency University	Kolkata	NO	Online classes	
6/25/2021 20:18:22	Shubhrajyoti Kamruti	Nadia	Nabadwip Dham	Nadia Institute of Techn	East Midnapore	YES	Online classes	
6/25/2021 20:19:59	Payal Kumar Seng	North 24 Parganas	Cotabongore	ACHARYA PRADILPA CH	North 24 Parganas	NO	Online classes	
6/25/2021 20:20:51	Aditi Bani	Kolkata	Bidhannagar station	Seth Anandram Japuria	Kolkata	NO	Online classes	
6/25/2021 20:21:40	Purnashree Pal	North 24 Pargana	Baranagar Station	Seth Anandram Japuria	Kolkata	NO	Online classes	
6/25/2021 20:21:43	Souvik Bha	Nadia	Nabadwip Dham	Ashutosh College	Kolkata	NO	Online classes	
6/25/2021 20:21:53	Ripan Das	North 24 pargana	Dumdum jn	Jadepur University	Kolkata	NO	Online classes	
6/25/2021 20:22:01	SOP	Mumbadabad	Beharapur	Jadepur University	Kolkata	NO	Online classes	
6/25/2021 20:22:39	Srijit pal	Burkura	Burkura	JIS college of Engineering	Nadia	YES	Online classes	
6/25/2021 20:23:17	Rohan Das	North 24 pargana	Dumdum jn	Jadepur University	Kolkata	NO	Online classes	
6/25/2021 20:23:42	Rounak Pal	Howrah	Bagan	Madrassah College	West midnapur	NO	Online classes	
6/25/2021 20:24:23	BIDWAPUR GOSWAMI	WEST BENGAL	MAGRRA	MEGNAD SAHA INSTITUTE	KOLKATA	YES	Online classes	
6/25/2021 20:24:58	ASHIK NASKAR	Paschim Bardhaman	Araonai jn	Nadia Institute of Technol	Purba Medinipur	NO	Online classes	
6/25/2021 20:26:07	Sayonori Mondal	Howrah	Howrah Station	Bidhannagar College	Kolkata	NO	Online classes	
6/25/2021 20:26:14	Rahin Berman	Hooghly	Konnagar	Diamond harbour govern	South 24 parganas	NO	Online classes	
6/25/2021 20:26:18	Rohan Chatterjee	North 24 pargana	Dumdum Junction	Bidhannagar College	North 24 Pargana	NO	Online classes	
6/25/2021 20:27:28	Anisha Ghosh Roy	Kolkata	Sealdah	Presidency University	Kolkata	NO	Online classes	
6/25/2021 20:27:59	Disha Chatterjee	Howrah	Saltbricks Railway Stat	Bidhannagar Govt. Coll	Kolkata	NO	Online classes	
6/25/2021 20:28:38	Arjun Pratim Roy	Kolkata	Sealdah	Jadepur University	Kolkata	NO	Online classes	
6/25/2021 20:29:00	Neha Jha	North 24 Parganas	Baranagar	Sundernath College	Kolkata	NO	Online classes	
6/25/2021 20:29:41	Arneelata Mod	Armedabad	Armedabad station	Gandhi University	Armedabad	NO	Online classes	
6/25/2021 20:29:55	SOURIK CHAKRABORTY	HOWRAH	SHALMAR RAILWAY ST	ADJAPUR UNIVERSITY	KOLKATA	NO	Online classes	
6/25/2021 20:30:07	Partha Sarkar	North 24 Parganas	Thakurgaon	Nadia Institute of Techno	Purba Medinipur	NO	Online classes	
6/25/2021 20:30:18	Anab saptai	Burkura	Burkura	Jadepur University	Kolkata	NO	Online classes	
6/25/2021 20:31:09	Anuska Roy	Malda	Malda station	Jadepur University	Kolkata	NO	Online classes	
6/25/2021 20:31:36	Pritya Paul	Kolkata	Bidhannagar	Vidya college	Kolkata	YES	Online classes	
6/25/2021 20:32:33	SARU PRANASHI CHOU	Rourkela	Rourkela	Nadia Institute of Techno	Nadia	NO	Online classes	
6/25/2021 20:34:04	SHIVAM KUMAR KUSUM	PURBA MEDINIPUR	Durgachal	Nadia Institute of Techno	PURBA MEDINIPUR	NO	Online classes	
6/25/2021 20:34:39	Partha Pratim Das	Nadia	Nabadwip dham	Nadia Institute of Technol	Purba Medinipur	YES	Online classes	
6/25/2021 20:34:41	Soumiti Gouti	Howrah	Bagan	Nadia College, iskola	Kolkata	NO	Online classes	
6/25/2021 20:35:13	Satyajay Behuria	Mumbadabad	New Faraka junction	JIS college of engineering	Nadia	YES	Online classes	
6/25/2021 20:35:38	Anagh Sarkar	Birbhum	Molpur Railway station	Vivekananda Mahavidyal	Burdwan	YES	Online classes	
6/25/2021 20:36:18	Sabari Mondal	Kolkata	Dumdum	Presidency University	Kolkata	NO	Online classes	
6/25/2021 20:38:38	Souvik chandra	North 24 parganas	Dumdum	City College	Kolkata	NO	Online classes	
6/25/2021 20:41:34	Souvik Das	North 24 PJS	DUM	ENC	KOLKATA	YES	Online classes	
6/25/2021 20:43:11	Debnata Bhattacharjee	Paschim Medinipur	Betta Station	Bidhannagar Govt Coll	North 24 Pargana	NO	Online classes	
6/25/2021 20:43:21	ANKITA MUKHERJEE	North 24 Parganas	Dakshineswar	MAHARANI KASIBWARI	Kolkata	YES	Online classes	
6/25/2021 20:43:32	Shreyee Neogi	North 24 PARAGANAS	BIHANNAGAR STATION	BIHANNAGAR COLLEGE	North 24 PARAGANAS	NO	Online classes	
6/25/2021 20:44:06	Sannidhya Das	Howrah	Andul station	Ashutosh College	Kolkata	NO	Online classes	
6/25/2021 20:44:28	Arunish Dey	South 24 Parganas	Sonarpur	Jadepur University	Kolkata	NO	Online classes	
6/25/2021 20:44:59	Anab Kumar Sen	Burkura	Burkura	Nadia Institute of Technol	Purba Medinipur	Nadia	NO	Online classes
6/25/2021 20:45:32	Rishi Banerjee	Hooghly	Konnagar	St Xavier's college	Kolkata	NO	Online classes	
6/25/2021 20:45:41	AKA Mukherjee	North 24 pargana	Baranagar	Amritsar direct city colleg	Kolkata	NO	Online classes	
6/25/2021 20:46:15	Sweeta Hoss	West Bengal	Dumdum	City College	Kolkata	NO	Online classes	
6/25/2021 20:49:36	Amita Sarker	North 24 Pargana, West B	Dum Dum junction	University of Hyderabad	Tangraicherry district, Te	NO	Online classes	
6/25/2021 20:50:11	ARJUN BERA	PASCHIM MEDINIPUR	BALUCHAL	HALDIA INSTITUTE OF T	RASCHIM MEDINIPUR	YES	Online classes	
6/25/2021 20:51:05	Shweta Dutta	North 24 pargana	Dumdum junction	RABINDRA BHARATI UN	North 24 pargana	NO	Online classes	
6/25/2021 20:52:08	Banika Chakraborty	Howrah	Saltbricks	Bethune	Kolkata	NO	Online classes	
6/25/2021 20:52:39	Jai Samanta	Hooghly	Halgach	Sundernath college	Kolkata	NO	Online classes	
6/25/2021 20:53:24	Golden Kumar	Bagarua	Lathimryia	Nadia Institute of technol	Bagarua	NO	Online classes	
6/25/2021 20:53:49	Pratik Munna	Howrah	Howrah	Sister Nibedita college	Kolkata	NO	Online classes	
6/25/2021 20:54:50	Ani Halder	Hooghly	Chandannagar	St. Xavier's College, Kol	Kolkata	NO	Online classes	
6/25/2021 20:55:08	Sreyas Bhattacharya	South 24 parganas	Baruipur	Basant Dew college	Kolkata	NO	Online classes	
6/25/2021 20:57:35	Aashat Mondal	South 24 parganas	Tollygunge	City college	North 24 parganas	YES	Online classes	
6/25/2021 20:58:51	Jayal Dutta	South 24 parganas	Baruipur	Jadepur University	Kolkata	YES	Online classes	
6/25/2021 20:59:02	Swaasth bhosnick	Howrah	St xaviers	Kolkata	NO	NO	Online classes	
6/25/2021 21:00:18	DEBPTI SAHA	KOLKATA	SEALDAH	BIHAN NAGAR COLLEGE	NORTH 24 PARGANAS	NO	Online classes	
6/25/2021 21:00:22	Ananta Saha	North 24 pgi	Meastadpur	City College	Kolkata	YES	Online classes	
6/25/2021 21:00:47	Pranay Rana	Kustatia Hazi	Uttarpara	Jadepur University	Kolkata	YES	Online classes	
6/25/2021 21:08:09	Manisha Bera	North 24 Parganas	Kachchidwair	NCC Institute of Informa	Kolkata	NO	Online classes	
6/25/2021 21:09:11	Anab Das	South 24 parganas	Budge Budge	Ashutosh college	Kolkata	YES	Online classes	
6/25/2021 21:10:42	Debjit Kamruti	North 24 Parganas	Kharand	RNMR	Kolkata	YES	Online classes	
6/25/2021 21:13:08	Chandreyi Baski	North 24 parganas	Ajrapara	Neota Academy of Nurur	North 24 parganas	YES	Online classes	

Timestamp	1. Full Name:	2. District (you stay):	3. Nearby railway station:	4. Your College Name:	5. District (of your college):	6. Prefer doing online class (in terms of distance of your home from your college):	7. Which one is better:
6/25/2021 11:16:14	North 24 Parganas	North 24 Parganas	Belghoria railway station	The Bhawanipur Education Society	North 24 Parganas	YES	Online classes
6/25/2021 11:17:29	SUDIPRA KONER	North 24 Pgs	Bally	B. P. PODDAR INSTITUTE	North 24 pgs	NO	Offline classes
6/25/2021 11:18:32	Ayush Bose	North 24 Parganas	Baranagar Road Station	City College	Kolkata	NO	Offline classes
6/25/2021 11:20:07	Amab Das	North 24 pgs	Dumdum	Vidyapeer	Kolkata	NO	Offline classes
6/25/2021 11:20:43	Saikatika Roy	Kolkata	Dumdum	Maharaja kaisersw colleg Kolkata	Kolkata	YES	Online classes
6/25/2021 11:20:55	menaka mitra	Bengaluru	yaserpur	dghnc diamond harbour	NO	NO	Offline classes
6/25/2021 11:22:45	Sugata kore	Howrah	Bagan	Diamond harbour govt	South 24 pargana	NO	Offline classes
6/25/2021 11:23:02	Indika Dutta	Kolkata	Bhawan nagar	Bansari dev college	Kolkata	NO	Offline classes
6/25/2021 11:25:55	Sugan sarkar	Howrah	Andul	CNIC	Kolkata	NO	Offline classes
6/25/2021 11:27:28	Tushar Sharma	North 24 Parganas	Dum Dum	Diamond Harbour Govern	South 24 Parganas	YES	Online classes
6/25/2021 11:27:56	Ashimang Chakraborty	Malda	Malda town	Presidency University	Kolkata	NO	Offline classes
6/25/2021 11:28:09	Monora Bag	Howrah	Bagan	Presidency University	Kolkata	NO	Offline classes
6/25/2021 11:28:19	Kaustub Paul	Hooghly	Chandannagar	St.Xaviers College	Auton Kolkata	NO	Offline classes
6/25/2021 11:31:17	Rohit Gupta	Kashnagar	Gozakpur	Haldia institute of technoi	Haldia	YES	Offline classes
6/25/2021 11:31:29	Pratik Das	North 24 Parganas	Agarga	City college	North 24 parganas	NO	Offline classes
6/25/2021 11:34:24	Ananya Bose	Paschim Bardhaman	Asansol	Presidency University	Kolkata	NO	Offline classes
6/25/2021 11:34:37	Anuska Bhattacharya	Birbhum	Suri	Presidency University	Kolkata	NO	Offline classes
6/25/2021 11:35:25	Sugany Roy	North 24 Parganas	Bidhanagar Station	Presidency University	Kolkata	NO	Offline classes
6/25/2021 11:35:57	Antonia Bandyopadhyay	HOOGHLY	SERAPPORE	DGHMCH	South 24 pargana	YES	Online classes
6/25/2021 11:37:06	Tanika Haider	North 24 pgs	Birai	DGHMCH	South 24 pgs	YES	Online classes
6/25/2021 11:37:54	Rutabha Chakraborty	South 24 parganas	Jadavpur station	St.Xaviers' College	South 24 parganas	NO	Offline classes
6/25/2021 11:39:15	Aryan Samanta	Hooghly	Amrahat	St. Xavier's College, Kolk	Kolkata	YES	Offline classes
6/25/2021 11:39:18	Saurab Choudh	North 24 PGS	Nahul	Diamond harbour govt	South 24 PGS	NO	Offline classes
6/25/2021 11:41:16	Pratik Banerjee	South 24 Parganas	Majherhat	Diamond harbour govern	South 24 Parganas	NO	Offline classes
6/25/2021 11:41:38	Pratik Gang	South 24 Parganas	Sonapur Junction	Governmet College of E	Kolkata	NO	Offline classes
6/25/2021 11:42:28	Anindita Kamnaker	Hooghly	Amrahat	Presidency University	Kolkata	YES	Online classes
6/25/2021 11:43:12	Aditi Malik	North 24 Parganas	Patla	Presidency University	Kolkata	NO	Offline classes
6/25/2021 11:43:16	Riya Sana	North 24 pgs	Harnabad	Diamond harbour govern	South 24 pgs	NO	Offline classes
6/25/2021 11:45:43	Subhrojit Roy	Hooghly	Rishra	Academy of technology	Hooghly	NO	Offline classes
6/25/2021 11:45:58	Ankita Das	Kolkata	Bidhanagar	University of Calcutta	Kolkata	NO	Offline classes
6/25/2021 11:51:14	Ms Hemni Fayaz	Kolkata	Sealdah	Presidency University	Kolkata	NO	Offline classes
6/25/2021 11:53:11	Mugdha Das	Kolkata	Baranagar Station	Shri Shikshayatri Colleg	Kolkata	NO	Offline classes
6/25/2021 11:53:33	Sugriti ch. Das	North 24 parganas	Mahadai	presidency university	Kolkata	NO	Offline classes
6/25/2021 11:56:03	RINVA DAS	Paschim Medinipur	Kharagpur	Auton college	Kolkata	NO	Offline classes
6/25/2021 11:56:35	Partha Vata	North 24 PGS	Belghoria	Auton College	Kolkata	NO	Offline classes
6/25/2021 11:56:41	Mineray Pal	Birbhum	Ranpurhat	St. Xavier's College, Kolk	Kolkata	NO	Offline classes
6/25/2021 11:57:33	Priyanka Nath	Hooghly	Tribeni	Presidency University	Kolkata	NO	Offline classes
6/25/2021 12:00:22	Sauradha Maity	Kolkata	Jadavpur railway stati	St.Xaviers' College	Kolkata	NO	Offline classes
6/25/2021 12:03:20	Suhani Das	Nadia	Bishnupuria Hall	Presidency University	Kolkata	NO	Offline classes
6/25/2021 12:07:04	Anan Ali	Paschim medinipur	Madanapote station	Haldia institute of technoi	Purba medinipur	NO	Offline classes
6/25/2021 12:07:47	Nababita Haider	Paschim bardhaman	Durgapur railway station	Presidency university	Kolkata	NO	Offline classes
6/25/2021 12:09:52	Srinadita Das	Kolkata	Sealdah	Lady Brabourne College	Kolkata	YES	Offline classes
6/25/2021 12:11:12	Shaiqi Khan	Hooghly	Manikunda	Presidency University	Kolkata	NO	Offline classes
6/25/2021 12:12:09	Sayan Ghosh	North 24 parganas	Dumdum junction	Baranagore Rastaguru E	North 24 parganas	NO	Offline classes
6/25/2021 12:12:46	Souvik Kundu	Hooghly	Ayazkhali railway stati	Presidency University	Kolkata	NO	Offline classes
6/25/2021 12:13:15	Soham Gangopadhyay	Hooghly	Konnagar	Bidhanagar college	Kolkata	NO	Offline classes
6/25/2021 12:13:57	Raj Deep Ghosh	Birbhum	Lalpur	Academy of Technology	Kolkata	YES	Online classes
6/25/2021 12:14:09	Ananaba Bhattacharyya	Hooghly	Baidyhat	Sreenampal college	Hooghly	NO	Offline classes
6/25/2021 12:14:19	Amab Das	Nadia	Kalchahda	Malaina Azad college Ko	Kolkata	NO	Offline classes
6/25/2021 12:17:02	Somenk Charan	South 24 Parganas	Sonapur	Presidency University	Kolkata	NO	Offline classes
6/25/2021 12:21:10	Palab Sarkar	Malda	Malda railway station	University of Calcutta	Kolkata	YES	Online classes
6/25/2021 12:22:44	Soumit Kundu	Birbhum	Suri Rai Station	Jadavpur University	Kolkata	YES	Online classes
6/25/2021 12:24:52	Ashish Basak	Howrah	Sealtghachi	City College	Kolkata	YES	Online classes
6/25/2021 12:24:38	Priyanka Dhar	North 24 Parganas	Baranagar	THX Jain College	Kolkata	YES	Online classes
6/25/2021 12:40:50	IBRAHIM KHAMAR JANA	WEST BENGAL	DURGACHAK TOWN	HALDIA INSTITUTE OF WEST BENGAL	Kolkata	NO	Offline classes
6/25/2021 12:44:09	Nikita Jha	North 24 Parganas	Baranagar	Surendranath College	Kolkata	NO	Offline classes
6/25/2021 12:53:30	Riddhi Chatterjee	Hooghly	Uttarpara	Adamas university	Kolkata	NO	Offline classes
6/25/2021 12:54:39	Anika Mukherjee	North 24 Parganas	Dakhineswar	MAHARAJA KASIRAMDAI	Kolkata	NO	Offline classes
6/25/2021 12:55:04	Roni Nazim	Howrah	Howrah station	Anwar street city college	Anwar Street	NO	Offline classes
6/25/2021 12:56:50	Neha Kumar Shaw	North 24 Parganas	Dumdum Junction	Maharaja Manindra Chan	Kolkata	YES	Online classes
6/25/2021 12:58:55	Aditya Manma	North 24 Parganas	Dakhineswar	Deban college of nursing	North 24 parganas	NO	Offline classes
6/25/2021 13:00:44	Rajanya Sarkar	North 24 Parganas	Belghoria Railway Station	St. Xavier's College/Auton	Kolkata	NO	Offline classes
6/25/2021 13:05:06	S. D.	Howrah	Howrah	----	Howrah	YES	Online classes
6/25/2021 13:05:15	Ishwika Singh	North 24 parganas	Belghoria station	Vidyapeer college for wo	Kolkata	NO	Offline classes
6/25/2021 13:07:54	Monowara Banerjee	Howrah	Dhakshin Railway station	Sister Nibedita governme	Kolkata	NO	Offline classes
6/25/2021 13:09:43	Shwopnmay Pal	Dakshin Dinapur	Balughat	Surendranath College	Kolkata	YES	Online classes
6/25/2021 13:10:50	Nababita Das	North 24 pgs	Baranagar	Bethune College	Kolkata	NO	Offline classes
6/25/2021 13:11:00	Vinayl Kaur	Kolkata	Howrah Station	Surendranath College	Kolkata	YES	Online classes
6/25/2021 13:11:42	Srijan Samanta	Hooghly	Tanekeswar	Sister nibedita govt gener	Kolkata	NO	Offline classes
6/25/2021 13:12:07	Priyanka Ghosh	Howrah	Howrah railway station	Manipaltrine college of n	us Ri Nagar	NO	Offline classes
6/25/2021 13:13:17	CHIRAG JAYANI	North 24 parganas	Kolkata station	Acharya Pratibha Chandra	North 24 parganas	NO	Offline classes
6/25/2021 13:14:10	Rajayu Sultana	Purba Bardhaman	Banchi	Sister Nibedita Governme	Kolkata	YES	Online classes
6/25/2021 13:14:12	Anshika Patra	Bankura	Dhaneswar rail Station	College of medicine and	North 24 pargana	YES	Online classes
6/25/2021 13:14:18	Sumit Karmakar	Hooghly	Surendranath College	Surendranath College	Kolkata	NO	Offline classes
6/25/2021 13:15:30	Subhanyee Sengupta	North 24Pargana	Sodepur	AJMS	Daksh	NO	Offline classes
6/25/2021 13:17:27	SUKANYA MITRA	Howrah	Santargachi	Calcutta Institute of Pham	Howrah	YES	Offline classes
6/25/2021 13:18:44	Anushree Mishra	Purulia	Purulia Railway Station	College of medicine and	Kolkata	YES	Online classes
6/25/2021 13:20:38	Ashu Karar	Howrah	Ramgatala	Biyo Krishna girls' college	Howrah madden	YES	Online classes
6/25/2021 13:23:25	Monalisa Mondal	Hooghly	Hindmotor	Hiralal Maumder memon	North 24 pargana	YES	Offline classes
6/25/2021 13:24:23	Pratik Biswas	Belghoria	Belghoria	City College	North 24 parganas	NO	Offline classes
6/25/2021 13:25:10	Soumyajit Ram	Hooghly	Hooghly	Color research and train	East bardhaman	YES	Offline classes
6/25/2021 13:26:39	Jayshree Bhattacharya	North Dinapur	Rangpur railway station	Presidency	Kolkata	NO	Offline classes
6/25/2021 13:27:24	Rajanya Mahata	Jhargam	Jhargam	K.P.C Medical college &	Kolkata	NO	Offline classes
6/25/2021 13:27:36	Randhavi Das	North 24 pgs	Dumdum	Vidyapeer college for wo	Kolkata	NO	Offline classes
6/25/2021 13:28:09	Sibbasri Tripathi Roy	Kolkata	Suri	Auton College	Kolkata	YES	Online classes
6/25/2021 13:28:32	Sriji Sarkar	Kolkata	Dum Dum	MCKV INSTITUTE OF E	Howrah	YES	Online classes

Timestamp	1. Full Name:	2. District (you stay):	3. Nearby railway station:	4. Your College Name:	5. District (of your college):	6. Prefer doing online clas (in terms of distance of your home from your college):	7. Which one is better:
6/25/2021 13:28:43	Ritan Saha	Hooghly	Rishra	Ashutosh College	Kolkata	NO	Online classes
6/25/2021 13:29:40	Nabin Ghosh	Howrah	Bally	Lalbabu college	Howrah	YES	Offline classes
6/25/2021 13:30:04	Shreyasee Dey	Hooghly	CHINSURAH	Sister nibedita govt gener	Howrah	YES	Offline classes
6/25/2021 13:32:58	Sneha Das	Howrah	Santira gachi railway stati	Acharya jagadish chandra	Kolkata	YES	Online classes
6/25/2021 13:33:28	Priyansu Kumar Dey	Hooghly	Hindmotor	Techno India Hooghly car	Hooghly	NO	Offline classes
6/25/2021 13:33:47	Alpna Khutun	Hooghly	Uttarpara	Malaina Azad college	Kolkata	YES	Online classes
6/25/2021 13:34:37	Suryadipa Das	North 24 parganas	Dum dum Railway station	Dumdum motijheel colleg	North 24 parganas	YES	Offline classes
6/25/2021 13:34:39	Sawata Chatterjee	Hooghly	Uttarpara	City college	Central Kolkata	YES	Offline classes
6/25/2021 13:35:38	Saiguna Laha	Paschim Medinipur	No	DREIMS	Odisha	NO	Online classes
6/25/2021 13:35:46	Srinikama Bhownig	Howrah	Santarganchi	South Calcutta Law Colle	Kolkata	YES	Online classes
6/25/2021 13:36:29	Ritabarta Chakraborty	North 24 Parganas/Kolkata	Dumdum Station	KIT(King's Institute Of I	Khorshah/Bhawaneshwar)	YES	Online classes
6/25/2021 13:38:07	Ananya Sarkar	Kolkata	Jadavpur	Jadavpur University	South 24 Parganas	NO	Offline classes
6/25/2021 13:39:13	Soham Manma	Howrah	Andul	St. Xavier's college	Kolkata	NO	Offline classes
6/25/2021 13:39:23	Joydeep Dutta	Hooghly	Hindmotor	Techno India Salt Lake	North 24 Parganas	NO	Offline classes
6/25/2021 13:45:30	Paromita Datta	Hooghly	Hindmotor	Techno India Kolkata	Kolkata	NO	Offline classes
6/25/2021 13:46:08	SOURAV KAR	Howrah	Antia	Sureswar Dutta law colle	Howrah	NO	Offline classes
6/25/2021 13:49:18	SUMAN PANDA	Kolkata	Sealdah	Seth Anandram Jarpuria C	Kolkata	NO	Offline classes
6/26/2021 0:00:10	Jayanta Ray Maumder	Hooghly	Hindmotor	Chittranagar College	Kolkata	NO	Offline classes
6/26/2021 0:00:39	Chandrima Saha	Howrah	Howrah Railway Station	Dr. Karanika Bhattacharya	Howrah	YES	Offline classes
6/26/2021 0:03:59	Ruchira Swamakar	Howrah	Howrah station	Sister nibedita govt gener	Kolkata	YES	Online classes
6/26/2021 0:04:25	Priyanka Banerjee	Howrah	Bally	Calcutta women's college	Kolkata	YES	Online classes
6/26/2021 0:06:23	Rahul Basu	Hooghly	Uttarpara	-----	-----	NO	Offline classes
6/26/2021 0:07:14	Sayan Bhattacharyya	Hooghly	Uttarpara	Sir Gurudas Mahavidyala	North 24 Parganas	NO	Offline classes
6/26/2021 0:13:57	Larabi Gohar	Kolkata	Howrah St.	Presidency University	Kolkata	NO	Offline classes
6/26/2021 0:14:10	Suman Bag	Uttarpara	Uttarpara	Goenka College of Comer	Kolkata	YES	Online classes
6/26/2021 0:14:15	Koushik Nandi	Hooghly	Hindmotor	Bangladesh evening colle	Kolkata	NO	Offline classes
6/26/2021 0:19:40	JAGADISH NAYAK	CUTTACK	CTC	DREIMS	CTC	YES	Offline classes
6/26/2021 0:20:06	Subhadreep Dutta	West Bengal	Uttarpara Railway	Bhramananda Keshab Ch	Kolkata	YES	Online classes
6/26/2021 0:34:31	Anushka Roy	Howrah	Bally station	Women's college calcutta	Kolkata	YES	Online classes
6/26/2021 0:37:18	PRARONA GHOSH	NORTH 24 PARGANA	BELGHARIA	NARULA INSTITUTE OF	NORTH 24 PARGANA	YES	Online classes
6/26/2021 0:38:04	Antarika Dhar	Kolkata	Sealdah	Gokhale Memorial Girls' C	Kolkata	NO	Offline classes
6/26/2021 0:38:49	Samashri Mukherjee	North 24 Parganas	Dakhineswar	Indian Statistical Institute	North 24 parganas	NO	Offline classes
6/26/2021 0:39:30	Tanjina Sil	Kolkata	Howrah	Moharir Girls College	Kolkata	YES	Online classes
6/26/2021 0:57:21	Harith Jha	Kolkata	Liluah	IBM	Kolkata	YES	Online classes
6/26/2021 1:02:47	ARPITA BASAK	Kolkata	Bidhan nagar	Saroj Mohan Institute of	Kolkata	NO	Offline classes
6/26/2021 1:16:31	Aditi Bhattacharya	Kolkata	Dumdum	Bidhanagar college	Kolkata	YES	Online classes
6/26/2021 1:29:10	Shreeleekha Ganguly	Howrah	Howrah station	Bijoy Krishna Girls college	Howrah	YES	Offline classes
6/26/2021 1:36:01	Satiritha Ghosh	Malda	Malda railway station	Presidency university	Kolkata	YES	Online classes
6/26/2021 1:42:28	Ashmita Sarkar	Dakshin Dinapur	Balughat	Presidency University	Kolkata	YES	Offline classes
6/26/2021 1:42:51	Anusha Dasg	Kolkata	Manisail	Howrah	Kolkata	YES	Offline classes
6/26/2021 1:43:34	Rinku Mahata	West Bengal	Jhargam	Swami Vivekanand Institi	South 24 Pargana	YES	Offline classes
6/26/2021 1:44:36	Anusha Kadiu	Kolkata	Sealdah	Vidya Sagar metropolitan	Kolkata	YES	Offline classes
6/26/2021 2:01:53	Sneha Das	North 24 Pargana	Dum Dum	Vidyapeer college	Kolkata	NO	Offline classes
6/26/2021 2:17:09	Tiyasa Bhadra	Nadia	Kalyani Simanta	Presidency University	Kolkata	NO	Online classes
6/26/2021 3:11:53	Subir Sarkar	Hooghly	Bally Station	MCKV Institute of Engin	Howrah	NO	Offline classes
6/26/2021 5:38:03	Arayud Dey	Hooghly	Uttarpara	Govt college of engineeri	Hooghly	NO	Offline classes
6/26/2021 6:43:21	Srinath Shiksha Samal	Jagpur	Chandannadi	Dreims School Of College	Cuttack	NO	Offline classes
6/26/2021 6:44:46	Sankarwar mallick	Paschim Medinipur	Parakura railway station	Dreims school and college	Cuttack	YES	Offline classes
6/26/2021 6:51:37	Uma Ganguly	Birbhum	Krinahar	Bidhanagar college	Kolkata	NO	Offline classes
6/26/2021 8:06:58	Anwesha Pal	South 24 PGS	Budge Budge	Sister Nibedita Governme	Kolkata	NO	Offline classes
6/26/2021 8:17:07	Sonia Mondal	South 24 PGS	Kamaghatnamum budge bu	NSHM College of Managa	Kolkata	NO	Offline classes
6/26/2021 8:22:02	Ayanika Banerjee	West Bengal	Madnapukur railway stati	Sister Nibedita Governme	West Bengal	YES	Offline classes
6/26/2021 8:22:44	Sayananta Datta	South 24 parganas	Nangi	New alipore college	Kolkata	NO	Offline classes
6/26/2021 8:37:31	Ritika Pal	Hooghly	Uttarpara	City College	Kolkata	NO	Offline classes
6/26/2021 8:38:48	Ritika Pal	Hooghly	Uttarpara	City College	Kolkata	YES	Offline classes
6/26/2021 8:38:51	Akshayil Ghosh	Kolkata	Madhyamgram	Surendranath College	Kolkata	NO	Offline classes
6/26/2021 8:51:34	Aakash Kundu	Malda	Malda Town Railways Sta	KPC Medical College & H	Kolkata	NO	Offline classes
6/26/2021 8:52:04	SAYAN BHUL	HOOGHLY	KAMARKUNDU	MCKV INSTITUTE OF E	HOWRAH	YES	Online classes
6/26/2021 8:55:52	NIKITA GHOSH	HOOGHLY	SINGUR	MCKV INSTITUTE OF E	HOWRAH	YES	Online classes
6/26/2021 9:00:22	Jeet Saha	Howrah	Howrah station	Asutosh College	Kolkata	YES	Online classes
6/26/2021 9:09:59	Sayan Mondal	South 24 parganas	Budge Budge	College of medicine and	North 24 parganas	NO	Offline classes
6/26/2021 9:18:38	Saikat Mukherjee	Purulia	Purulia railway station	St. Xavier's college	Calcutta	YES	Offline classes
6/26/2021 9:27:28	Mehabakshi Acharya	Darjeeling	NJP	Presidency University	Kolkata	NO	Offline classes
6/26/2021 9:27:33	Sayani Khan	Howrah	Danagar	Sureswar dutta law colle	Howrah	YES	Offline classes
6/26/2021 9:29:35	RIKTA PAUL	Howrah	Antia	Sureswar Dutta law colle	Howrah	YES	Online classes
6/26/2021 9:31:11	Ankit kumar	Nawada (Bihar)	Koderma junction	Haldia Institute of technol	Haldia	NO	Offline classes
6/26/2021 9:34:27	Purbasha Ray	Kolkata	Howrah Railway Station	WBCCON, IPGMEAR AI	Kolkata	NO	Online classes
6/26/2021 9:37:44	Subhamoy Das	Hooghly	Konnagar	Sir Gurudas Mahavidyala	Kolkata	NO	Offline classes
6/26/2021 9:42:22	TIYASA PRYDE	Howrah station	Howrah station	Bharathi College of Nursi	Tumkur	YES	Offline classes
6/26/2021 9:47:42	Soumita Kundu	South 24 Parganas	Nangi	Bidhanagar govt. Colleg	North 24 P.G.S	NO	Offline classes
6/26/2021 9:48:15	Subhadrata Chowdhury	South 24 pgs	Nangi	New Alipore collage	South 24 pgs	YES	Online classes
6/26/2021 9:51:29	Sayak saha	Kolkata	Howrah	St.Xaviers College	Kolkata	NO	Online classes
6/26/2021 9:54:50	Anurag Saha	Purulia	Balarampur	Bankura Christian college	Bankura	YES	Online classes
6/26/2021 9:58:17	Sourav Mahanti	Ballygunge	Ballygunge	Jogomoya Devi College	Kolkata	NO	Offline classes
6/26/2021 10:02:00	Snehalet Mondal	Howrah	Howrah	MCKV Institute of Engin	Howrah	NO	Offline classes
6/26/2021 10:04:20	Kabita Sahu	Howrah	Liluah	MCKV Institute of Engin	Howrah	NO	Offline classes
6/26/2021 10:05:34	Kabita Sahu	Howrah	Liluah	MCKV Institute of Engin	Howrah	NO	Offline classes
6/26/2021 10:09:03	Sukanya Dutta	Kolkata	Bidhanagar	Rajabazar Science Colleg	Kolkata	YES	Online classes
6/26/2021 10:38:17	Subham sarkar	Hooghly	Bhadradasar	Asutosh college	Kolkata	YES	Online classes
6/26/2021 10:39:39	Shukla Das	Hooghly	Hindmotor	Bijoy Krishna girls'college	Howrah	YES	Offline classes
6/26/2021 10:41:30	Bidisha Chatterjee	South 24 parganas	Nangi	Nehru knowledge campus	Kolkata	NO	Offline classes
6/26/2021 1:08:26	Agnesha Ghosh	Kolkata	Sealdah	St. Xavier's college	Kolkata	NO	Offline classes
6/26/2021 1:10:37	Trina Banerjee	North 24 Parganas	Dakhineswar Railway S	Lady Brabourne College	Kolkata	NO	Offline classes
6/26/2021 1:10:58	Chandrima Chaudhuri	North 24 Parganas	Baranagar Road	RSC Institute of Informatio	Kolkata	YES	Online classes

GENERAL SURVEY PIE CHART

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RESPONSES



■ YES ■ NO

TABULAR FORM OF ANALYSED DATA :-

		Long Distance (A)		Total
		Long Distance (A)	Not Long Distance [Short Distance] (α)	
Online Study (B)	Online Study (B)	82 (f_{AB})	69 (f_{aB})	151 (f_B)
	Not online study [Offline study] (β)	118 (f_{AB})	133 (f_{aB})	251 (f_B)
Total		200 (f_A)	202 (f_{α})	402 (n)

Yule's coefficient of association:

Yule's coefficient of association (Q) measures the strength and direction of association. "Association" means that the attributes have some degree of agreement.

The coefficient ranges from -1 to +1. The values -1 to 0 indicate inverse relationship (association) between the attributes; the values 0 to +1 indicate direct relationship (association) between the attributes.



Yule's coefficient of Colligation:

Yule's coefficient of colligation (Y) is a measure of association between two binary variables. It is closely related to the odds ratio.

The coefficient varies from -1 to +1. -1 reflects total negative association, +1 reflects total positive association while 0 indicates no association at all.

Yule's Y measures association in a substantial, intuitively understandable way and is therefore considered more preferable to measure association.



FORMULAS: -

- **Yule's Coefficient of Association(Q_{AB})**
$$= n\delta_{AB}/f_{AB}f_{\alpha\beta}+f_{A\beta}f_{\alpha B}$$
- **Actual frequency for the cell(A,B) = δ_{AB}**
$$= f_{AB} - f_A f_B / n$$
- **Coefficient of Colligation(Y_{AB})**
$$= \sqrt{f_{AB}f_{\alpha\beta}} - \sqrt{f_{A\beta}f_{\alpha B}} / \sqrt{f_{AB}f_{\alpha\beta}} + \sqrt{f_{A\beta}f_{\alpha B}}$$
- $$V_{AB} = n\delta_{AB} / \sqrt{f_A f_{\alpha} f_B f_{\beta}}$$

CALCULATIONS:-

- Yule's Coefficient of Association(Q_{AB})

$$\begin{aligned} &= n\delta_{AB} / f_{AB}f_{\alpha\beta} + f_{A\beta}f_{\alpha B} \\ &= f_{AB}f_{\alpha\beta} - f_{A\beta}f_{\alpha B} / f_{AB}f_{\alpha\beta} + f_{A\beta}f_{\alpha B} \\ &= 10906 - 8142 / 10906 + 8142 \\ &= 2764 / 19048 \\ &= 0.145 \end{aligned}$$

- Coefficient of Colligation(Y_{AB})

$$\begin{aligned} &= \sqrt{f_{AB}f_{\alpha\beta}} - \sqrt{f_{A\beta}f_{\alpha B}} / \sqrt{f_{AB}f_{\alpha\beta}} + \sqrt{f_{A\beta}f_{\alpha B}} \\ &= 104.432 - 90.233 / 104.432 + 90.233 \\ &= 14.199 / 194.665 \\ &= 0.073 \end{aligned}$$

- $V_{AB} = n\delta_{AB} / \sqrt{f_A f_\alpha f_B f_\beta}$
$$\begin{aligned} &= f_{AB}f_{\alpha\beta} - f_{A\beta}f_{\alpha B} / \sqrt{f_A f_\alpha f_B f_\beta} \\ &= 2764 / 39130.556 \\ &= 0.070 \end{aligned}$$

SIMILAR SOLUTIONS :

Besides using measures of association to approach this problem, there can be other ways to do it, which are mentioned below:

- Correlation is one measure through which we can find that two attributes are dependent on each or not.
- For large set of attribute values, set of each attribute value can be treated as a vector. The scalar product of two vectors (with subtracted mean value) and normalized with both norms is a good measure of similarity.
- Using information gain ratio or Gini index can also be considered as one of the statistical methods to find the degree of similarity of dissimilarity among the features of a dataset.



INFERENCES:

From the previous calculations, the following inferences can be drawn:

- There is a very slight positive association between two attributes. In other words, the evidence that the students' approach towards online study gets affected by long distance, is less. The same goes for the relation between offline studies and short distance of home from college.
- In true sense, the association of distance with study approach is negligible and can be ignorable.
- In broader view of the data analysed, we can infer that the students are more interested doing studies in offline mode than online, even now.

So, we can thereby conclude that whatever be the distance, the approach of students learning offline doesn't change, they are always eager to leave their couch and start going to college, with full zest and enthusiasm!! Hoping that a day like this will come soon.



THANK
YOU