



S. G. V. C. Vidya Prasarak Trust's,

**Matoshri Gangamma Veerappa Chiniwar  
Arts, Commerce & Science College,**

**MUDDEBIHAL-586212.** Dist. Vijayapur (Karnataka)

(Accredited with CGPA of 2.58 on seven point scale at 'B+' Grade)

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Ref. No. : .....

Date : .....

## Webinar-9

### National Webinar on "Recent Trends in COHORT Analysis"

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M.G.V.C. Arts, Commerce & Science College  
MUDDEBIHAL-586212. Dist: Vijayapur.





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\* email : princmgvc@gmail.com \*

Ref. No. : .....

Date : .....

### Resolution of the Meeting

It has been resolved to <sup>conduct</sup> a national level webinar on "RECENT TRENDS IN COHORT ANALYSIS" during meeting held at Principal's chamber on 06-07-2021. The tentative date scheduled for the webinar is 24-07-2021. Also, it has been resolved to contact Shri. H. N. Patil, Planning officer MSRTC, Pune. Dr. K.V. Subbaraya Sarma, Professor, Department of Statistics, Shri Venkateshwar University, Tirupati (9393621901) and Dr. S.Ravi, Professor, Department of statistics, Mysore University, Mysuru (8212419850), as Resource Person.

It has been resolved to request our Retired Principal Shri A. B. Kulkarni for giving keynote address on recent trends in cohort analysis.

The following were attended the meeting held on 06-07-2021

Sl No	Name	Designation	Signature
1	Prof.S.N.Bidarkundi	Convener	
2	Prof. N.S. Patil	Organizing Secretary	
3	Prof .S.V.Gurumath	NAAC Co-ordinator	
4	Dr. B.A.Guli	IQAC Co-ordinator	

HOD.Dept of Statistics

**Head**

**Department of Statistics**

**M.G.V.C. Arts, Science & Commerce College**

**Muddebihal. (Dt: Vijayapur)**

Principal

**PRINCIPAL**

**M. G. V. C. Arts, Com. & Science College**  
**MUDEBIHAL - 586212.**





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**M. G. V. C. ARTS,**

**COMMERCE AND SCIENCE COLLEGE**

**MUDDEBIHAL-586212 Dt: VIJAYAPUR**

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(Re-accredited with B<sup>+</sup> grade by NAAC in 3<sup>rd</sup> cycle)



## DEPARTMENT OF STATISTICS ORGANISES

ONE DAY NATIONAL LEVEL WEBINAR ON

**“RECENT TRENDS IN COHORT ANALYSIS”**

(An IQAC Initiative)

On 24<sup>TH</sup> July, 2021, SATURDAY At : 11:00 am

Inauguration by



**Shri. Ashok. S. Tadasad**  
Chairman, College Governing  
Body and Secretary,  
S.G.V.C.V.P.Trust's  
Muddebihal

Key note Address by



**Prof. A. B. Kulkarni**  
Administrator,  
S.G.V.C.V.P.Trust's  
Retired Principal  
Muddebihal.

Resource Person



**Shri. H. N. Patil**  
Former Planning Officer MSRTC,  
Pune, Maharashtra. Manager  
Analytical Corporate  
P. P. Mobility Solution Pvt. Ltd. Pune

Presiding over : **Principal S. N. Poleshi**

Convenor : **Prof. S. N. Bidarkundi**

Org. Secretary : **Prof. N. S. Patil**

IQAC Co-Ordinator : **Dr. B. A. Guli**

NAAC Co-Ordinator : **Prof. S. V. Gurumath**

Technical Advisor : **Prof. M. G. Khyadi**

*You are All Cordially Invited*



# MGVC ARTS, COMMERCE AND SCIENCE COLLEGE, MUDDEBIHAL





# ONE DAY NATIONAL LEVEL WEBINAR ON “RECENT TRENDS IN COHORT ANALYSIS”

App Launched ↓ % Active users after App Launches →

Cohort	Users	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
Jan 25	1,098	100%	33.9%	23.5%	18.7%	15.9%	16.3%	14.2%	14.5%	Retention over user lifetime		12.1%
Jan 26	1,358	100%	31.1%	18.6%	14.3%	16.0%	14.9%	13.2%	12.9%			
Jan 27	1,257	100%	27.2%	19.6%	14.5%	12.9%	13.4%	13.0%	10.8%	11.4%		
Jan 28	1,587	100%	26.6%	17.9%	14.6%	14.8%	14.9%	13.7%	11.9%			
Jan 29	1,758	100%	26.2%	20.4%	16.9%	14.3%	12.7%	12.5%				
Jan 30	1,624	100%	26.4%	18.1%	13.7%	15.4%	11.8%					
Jan 31	1,541	100%	23.9%	19.6%	15.0%	14.8%						
Feb 01	868	100%	24.7%	16.9%	15.8%							
Feb 02	1,143	Retention over product lifetime		18.5%								
Feb 03	1,253											
All Users	13,487	100%	27.0%	19.2%	15.4%	14.9%	14.0%	13.3%	12.5%	13.1%	12.2%	12.1%





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Key note Address by



**Prof. A. B. Kulkarni**  
Administrator,  
S.G.V.C.V.P.Trust's  
Retired Principal  
Muddebihal.

Resource Person



**Shri. H. N. Patil**  
Former Planning Officer MSRTC,  
Pune, Maharashtra. Manager  
Analytical Corporate  
P. P. Mobility Solution Pvt. Ltd. Pune

Presiding over : **Principal S. N. Poleshi**

Convenor : **Prof. S. N. Bidarkundi**

Org. Secretary : **Prof. N. S. Patil**

IQAC Co-Ordinator : **Dr. B. A. Guli**

NAAC Co-Ordinator : **Prof. S. V. Gurumath**

Technical Advisor : **Prof. M. G. Khyadi**

*You are All Cordially Invited*



# GREAT DONOR



**MATOSHRI GANGAMMA VEERAPPA CHINIWAR**



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Samsthan Math, ILKAL and  
Trustee of the S.G.V.C.V.P.  
Trust, Muddebihal.



Dr. Satish. S. Jigajinni,  
Ex-Vice Chancellor, B.L.D.E's  
University, Vijayapur and the  
chairman of the S.G.V.C.V.P  
Trust.



Shri. Ashok S..Tadasad,  
Chairman of the College  
Governing Body., Trustee,  
Secretary of the S.G.V.C.P.  
Trust and



Smt. Jayalaxmi.S. Bagali  
Trustee of S.G.V.C.V.P. Trust



# INAUGURATION BY



**Shri. A.S. Tadasad**

Secretary, SGVCVP Trust

Chairman, MGVC College Governing Body



# WELCOME SPEECH BY

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**Prof. S.N. Bidarkundi**

**HOD of Statistics**

**MGVC Arts, Commerce and Science College,  
Muddebihal**



# KEYNOTE ADDRESS BY

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**Prof. A.B. KULKARNI**

Administrator,

SGVC Vidya Prasarak Trust, Muddebihal



# WE ARE PROUD TO WORK UNDER YOU SIR



**Prof. S.N. POLESHI**

Principal,

MGVC Arts, Commerce and Science College,  
Muddebihal

# RESOURCE PERSON

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**Shri. H.N. Patil**

Former Planning Officer MSRTC,  
Pune, Maharashtra, Manager

Analytical Corporate, P.P. Mobility Solution  
Pvt. Pune



# IQAC CO-ORDINATOR

---



**Dr. B.A. Guli**

**IQAC CO - ORDINATOR**

**MGVC Arts, Commerce and Science College,  
Muddebihal**

# NAAC CO ORDINATOR

---



**Prof. S.V. GURUMATH**

**NAAC CO - ORDINATOR**

**MGVC Arts, Commerce and Science College,  
Muddebihal**



# WEBINAR ANCHOR

---



**Prof. Miss. Daneshwari. S. Talikoti**

Guest Faculty in Botany

MGVC Arts, Commerce and Science College,  
Muddebihal

# VOTE OF THANKS BY

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**Prof. N.S. Patil**

Associate Professor in Statistics

MGVC Arts, Commerce and Science College,  
Muddebihal





**WELCOME TO ALL**



S.G.V.C VP TRUST'S

**M.G.V.C. ARTS, COMMERCE AND SCIENCE COLLEGE,  
MUDDEBIHAL**

IQAC INITIATIVE

**DEPARTMENT OF STATISTICS**

JOINTLY ORGANISES

**ONE DAY WEBINAR ON RECENTS TRENDS IN COHORT  
ANALYSIS**

24<sup>TH</sup> JULY 2021

11:00AM

**PROGRAMME SEHEDULE**

Inauguration

-Shri Ashok .S.Tadasad

Secretary SGVCVP Trust Muddebihal

Welcome speech

-Shri S.N.Bidarakundi

Introduction of keynote speaker

-Shri A.B.Kulkarni

Guest speech

-Shri H.N.Patil

Former planning officer MSRTC Pune

Vote of Thanks

-Shri N.S.Patil

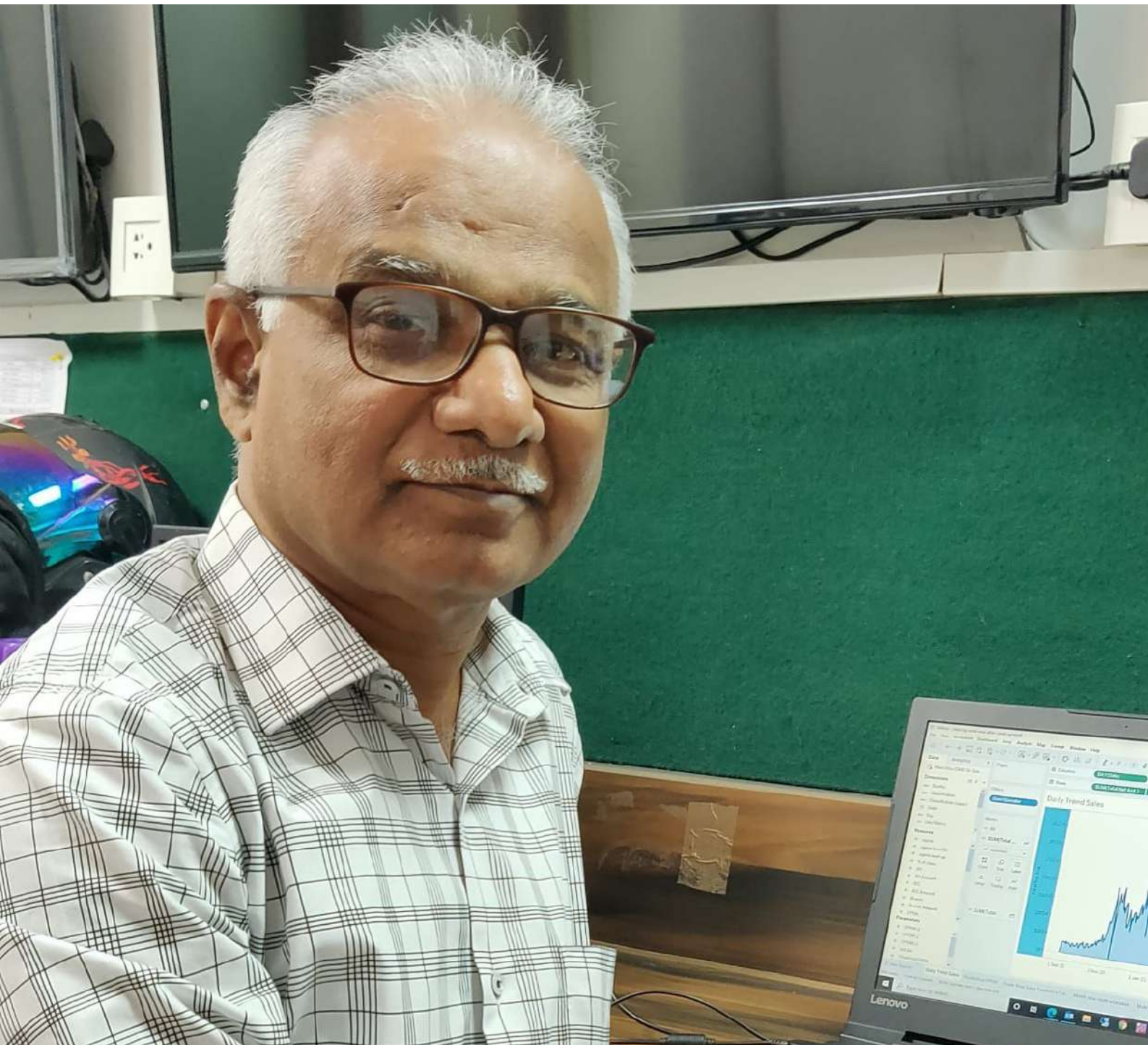
Anchoring

- Miss D.S.Talikoti



**PRINCIPAL,  
M.G.V.C. Arts, Com. & Science College  
MUDDEBIHAL - 586212.**







## 1. BRIEF ABOUT THE PROFESSIONAL: H N PATIL

He did his Masters Degree in Statistics from Karnataka University, Dharwad in 1981 and later on secured a Post Graduate Diploma in Computer Management from Jamnalal Bajaj Institute of Management Studies, Mumbai. He worked as a Lecture in Statistics for over three years and later on joined Maharashtra State Road Transport Corporation (MSRTC) as a Divisional Statistician in 1984. He has put his services in MSRTC for 32 years beginning from Divisional statistician, Regional statistician to Planning officer, holding various profiles of MIS and Corporate planning. He was a member of the Board of studies in the faculty of Banking, Mathematics and Statistics of Shivaji University for the period from 1984 to 1987 Shri Patil who has undergone training in some of the leading institutions in the country like MDI New Delhi, IIM Ahmadabad, etc. He is Certified **SIX SIGMA BLACK BELT** from MSME – Technology Development Centre, Agra. Ministry of Micro, Small & Medium Enterprises. Govt. of India Organization. **Participated as a distinguished speaker** in an Executive Development Program of APSRTC on **"Enhancing the Organizational Effectiveness of Senior Managers by Adopting New Marketing Approaches on 26th and 27th Sep 2016 held at Vijayawada and delivered a talk on "New Approaches to Public Transport Marketing". He is Award WINNER of ASRTU Best Article, for a paper Published in Indian Journal of Transport Management, for year 2016-17. "Pricing of a Public Bus Service on Contract – A rational Approach", January-March 2016, out of quite a number of papers published in the field of Public Transport are on his credit. He is associated with CIRT as distinguished faculty.**

His is equipped with IT soft skills of Data Analytics like, SPSS, Tableau, Minitab, etc.

His proficiency is, broadly in the field of:

- **Public Transport /Transit Operation Planning, Business Development planning under PPP Model, Investment Analysis, Cost Analysis, Price fixing, etc.**
- **Monitoring & Evaluation system implementation, Benchmarking, Setting Leading and lagging KPIs to monitor through Statistical tools.**
- **Real time Problem solving in Service /Production sector through Optimization Techniques/Operations Research, Six Sigma and Statistical tools.**
- **Consultancy, Teaching Statistical techniques and Operations Research.**
- **Information System (MIS) Design and Development for Urban and rural transit operation.**

## 2. WORK UNDERTAKEN THAT BEST ILLUSTRATES CAPABILITY TO HANDLE THE ASSIGNED TASKS

**Position Held: Divisional Statistician/ Sr. Statistician in MSRTC**

**Period: 1984 to 2014**

**Activities performed:**

- Data Collection, Evaluation, Performance measures and Cost Evaluation.
- Facilitating the management through providing decision Supportive Information.
- Playing Major role in Performance Review Meetings held at various level of management.
- Involvement in in-house training program.

**Name of activities: Overall in charge of MIS System design and development of operation of around 800 to 1200 fleet strengths.**

**Main features of the activity:**

**Measure periodical performance indicators.**

**Trend analysis, defects analysis system wise break downs analysis**

**Economic Viability analysis of trips, ABC classification.** **M. G. V. C. Arts, Com. & Science College**

**Identify key area of attention for improvement of productivity of inputs.**

  
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**MUDDERHAL - 586212**



**Identify key area of attention for improvement of productivity of Inputs.**

- Introduced new concept of "worth of Rs. Spend" in evaluating performance of depots in the system which has helped the management identifying and improving performance. "Evaluating Bus Depots - -A View Point", Indian Journal of Transport Management. Nov – 1998.

Presented paper in national seminar on Best Practices in Road Transport Undertakings (STUs), held by ASRTU at CIRT. 5 – 6 March 2012. On "Recent Trend in depot performance evaluation for Economy and Efficiency."

- Designed Optimum allocation of crews to save man power and minimize "stay out idle time of crew" in Solapur Division, which helped the management in reduction in cost. "Optimal assignment of crew to schedules in Road transport management", Indian Journal of Transport Management. Dec. 1998.
- New concept of Reliability of operation to measure the quality of service was introduced in Solapur division and subsequently introduced in corporation. Study proved through significance test that economic viability is associated with reliability. "Reliability is a Key for Viability of transport Service – A Statistical validation", Indian Journal of Transport Management, Oct 1999.
- Traditionally, MSRTC have had a policy of scrapping vehicles after ten years of old. Studied and developed a operational research model and derived optimum year of replacement of vehicles to reduce the cost. Proposed model is implemented. Indian Journal of Transport Management "Vehicle Replacement Policy – A Model Building for MSRTC", April - June 2007.

**Position Held: Planning Officer, Corporate.**

**Period: 2014 to 2016**

**Activities performed:**

- Setting and monitoring of long and short-term Targets.
- Planning and designing of new Policies and Programmes to meet Customers' Expectations.
- Planning and monitoring of Man Power Skill Development Programmes to the Higher and middle management Personnel.
- Facilitating to the higher management in Corporate Policy implementation

**Name of activities: Vision 2020, Fixing targets of KRA for the corporation.**

**Main features of the activity:**

Time series analysis of important parameters is performed using statistical software like SPSS and Minitab and predicted the future targets based on past trend.

Defined KRA of each department and monitored periodically.

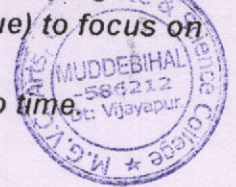
Rational approach is developed for Pricing of a Bus on contract. "Pricing of a Public Bus Service on Contract – A rational Approach", Indian Journal of Transport Management January-March 2016. (Best Article Award winner)

**Present work place and profile.**



Over all in charge of Information Centre, MIS report generation of all verticals like, Haryana, Himachal Pradesh, Punjab, Gujarat and India. Intensity unit and other verticals like Define Measures of Operational performance. Trend Analysis, Data mining, Forecasting, Quality measures monitoring. Defects analysis. Identifying Most Recent, Frequent and Most cost incurring Break downs (RFM technique) to focus on specific clusters of buses.

Providing decision supportive insights to the management from time to time.



### 3. CONTACT INFORMATION

Email Id: hnpatil\_stat.co.in

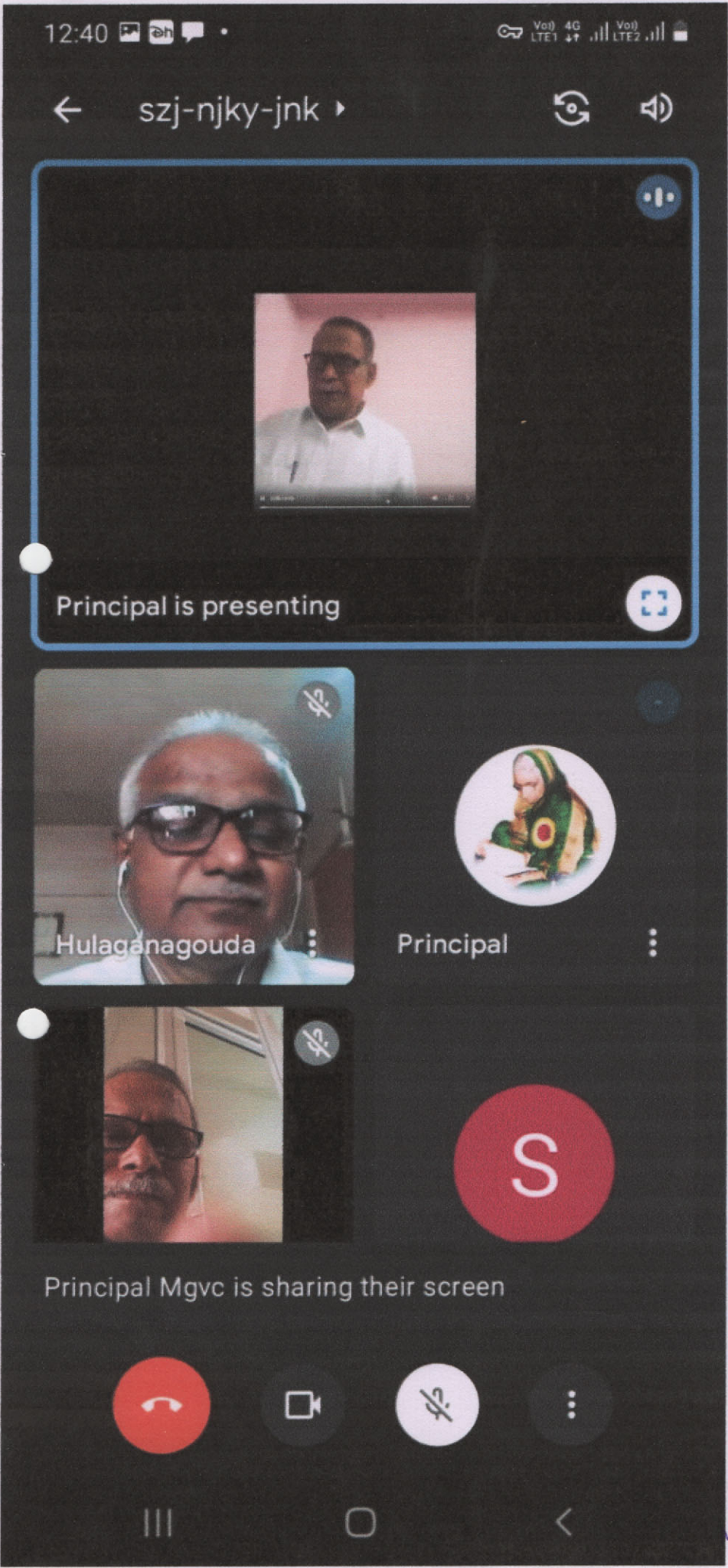
Phone Number: 09423032220

20-11-20

PRINCIPAL

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A. G. V. C. Arts, Com & Science College  
MUDDEBIHAL - 586212.





  
**PRINCIPAL,**  
M.G.V.C. Arts, Commerce & Science College  
MUDDEBIHAL-586212. Dist: Vijayapur.

  
**Co-Ordinator,**  
Internal Quality Assurance Cell  
M.G.V.C. Arts, Commerce & Science College  
MUDDEBIHAL-586212. Dist: Vijayapur.





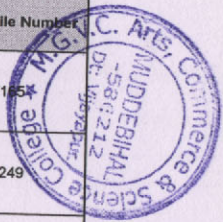


**M.G.V.C. ARTS, COMMERCE AND SCIENCE COLLEGE, MUDDEBIHAL**

**National Webinar on "Cohort Analysis in Transportation"**

**REGISTRATION LIST**

Timestamp	Email Address	Name	Designation	Organization / College Name	Subject	City Name	District	State	Mobile Number	Whatsapp Mobile Number
7-19-2021 12:54:32	nspmgvc@gmail.com	N.S.Patil	Asso.Prof	M.G.V.C.College Muddebihal	Statistics	Muddebihal	Vijaypur	Karnataka	9845107165	9845107165
7-19-2021 12:55:58	abkmgvc@gmail.com	A.B.Kulkarni	Administrator	M.G.V.C.College, Muddebihal	Statistics	Muddebihal	Vijayapur	Karnataka	9448751249	9448751249
7-19-2021 13:16:52	murageshmhatpati5@gmail.com	Math Muragesh Mantayya	Statistician, Community Medicine Department	BLDE(Deemed To Be University) Shree B.M.Patil Medical College Vijayapur	Statistics	VIJAYAPUR	Vijayapur	India	7770082496	7770082496
7-19-2021 13:18:50	fhnadaf1964@gmail.com	Dr. F. H. Nadaf	Associate Professor	Anjuman Arts, science, Commerce College and P. G. Studies, Dharwad	Statistics	Dharwad	Dharwad	Karnataka 9448775233	9448775233	9448775233
7-19-2021 13:19:38	srinivasaat1974@gmail.com	Dr.Srinivasa A.T.	Assistant professor	BLDEA'S New Arts College Tikota	Statistics	Tikota	Vijayapur	Karnataka	9448613030	9448613030
7-19-2021 13:21:48	isgokakrbg@gmail.com	Prof. I. S. Gokak	Assistant Professor	S. P. Mandal's Arts and Commerce College Raibag	Statistics	Raibag	Belagavi	Karnataka	9901612007	9901612007
7-19-2021 13:26:20	siddu.ydg@gmail.com	G.Sidramreddy	Associate professor	M.E.S Arts and Commerce College Mudalgi Dist: Belagavi	Statistics	Mudalgi	Belagavi	Karnataka	9448860545	9448860545
7-19-2021 13:26:59	goulimanasa@gmail.com	Manasa gouli	Lecturer	MGVC college muddebihal	Physics	Muddebihal	Bijapur	Karnataka	9448806744	8105561543
7-19-2021 13:33:46	laxmibiradar13@gmail.com	LAXMI S BIRADAR	BSC VI SEM	M G V C COLLEGE MUDDEBIHAL	PMS	MUDDEBIHAL	Vijayapur	Karnataka	8970924929	8970924929
7-19-2021 13:43:58	rahimsirm@gmail.com	Dr.ABDURRAHIM.A.MULLA	Assistant Professor,HOD of Urdu	M.G.V.C.Arts,Commerce and Science College Muddebihal	URDU	MUDDEBIHAL	VIJAYAPUR	KARNATAKA	9448268723	9448268723
7-19-2021 13:53:17	gulibasavantaray@gmail.com	Dr.B.A.GULI.	Asst.Professor	MGVC Arts Commerce & Science College Muddebihal	Economics	Muddebihal	Vijayapur	Karnataka	9535929767	9535929767
7-19-2021 14:06:08	abdulrajaksd@gmail.com	Abdulrazak Shekhasaheb Bagawan	Associate Professor in Chemistry	MGVC Arts Commerce and Science College Muddebihal	Chemistry	Muddebihal	Vijayapur	Karnataka	09035960755	09035960755
7-19-2021 14:12:37	shrutihonawad@gmail.com	SHRUTI HONAWAD	MSc	Karnataka University Dharwad	Statistics	Vijayapura	Vijayapura	Karnataka	7090596971	7090596971
7-19-2021 14:16:37	siddappahugar12@gmail.com	Mr.Siddappa Hugar	Lecturer	Karnataka state akkamahadevi women's university vijayapura	Statistics	Bijapur	Vijayapura	Karnataka	+919740384426	9740384426



*Co-ordinator,*

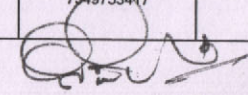
**Internal Quality Assurance Cell**  
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MUDDEBIHAL-586212, Dist: Vijayapur,



Timestamp	Email Address	Name	Designation	Organization / College Name	Subject	City Name	District	State	Mobile Number	Whatsapp Mobile Number
7-19-2021 14:29:30	vsorganvi@gmail.com	Dr. Vijaya M Sorganvi	Associate professor (statistics)	BLDE Deemed to be university Shri B M Patil Medical College and Research centre Vijayapur	Statistics	Vijayapur	Vijayapur	Karnataka	9964569561	9964569561
7-19-2021 14:31:22	prakashnaragund32@gmail.com	Dr.Prakash N Naragund	Assistant Professor	M G V C Arts Commerce and Science College Muddebihal	Karnatka	Muddebihal	Vijayapur	Karnataka	9986767832	9986767832
7-19-2021 15:27:50	vslamani93@gmail.com	VALAPPA S LAMANI	Asst Professor	M.G.V.C, ARTS, COMMERCE AND SCIENCE COLLEGE MUDDEBIHAL	KANNADA	MUDDEBIHAL	VIJAYAPUR	KARNATAKA	9731041972	9731041972
7-19-2021 15:33:38	hmmujavar@rediffmail.com	Dr H M Mujavar	Associate professor	BLDEAS SB ARTS AND KCP SCIENCE COLLEGE VIJAYAPUR	Statistics	Vijayapur	VIJAYAPUR	Karnataka	9449797070	9449797070
7-21-2021 8:33:54	manasa.patil91@gmail.com	MANASA PATIL	Guest Lecturer	M G.V.C.Arts Commerce and Science college Muddebihal	Mathematics	MUDDEBIHAL	VIJAYAPURA	Karnataka	8088766933	8971073075
7-21-2021 14:04:24	poleshisnn@gmail.com	S.N.Poleshi	Principal	MGVC Degree College Muddebihal	Physics	Muddebihal	Vijayapur	Karnataka	9035103184	9035103184
7-21-2021 17:38:17	rhsajjanrohan@gmail.com	Dr Ramu Hasanappa Sajjan	Asst Prof	MGVC Arts Commerce And Science College uddebihal	History	Muddebihal	Vijayapur	Karnataka	9845454674	9845454674
7-21-2021 18:06:43	poleshisnn@gmail.com	S. N. Poleshi	Principal	MGVC Degree College Muddebihal	Physics	Muddebihal	Vijayapur	Karnataka	9035103184	9035103184
7-22-2021 11:33:21	mabmgvc70@gmail.com	Mallikarjun A Biradar	Associate Professor	MGVC Arts Commerce and Science College Muddebihal	English	Muddebihal	Vijayapur	Karnataka	9945987778	9945987778
7-23-2021 11:49:41	vlbeerannavar143@gmail.com	Mr. VINAYAK BEERANNAVAR	SDA	SHRI S R KANTHI COLLEGE MUDHOL	Commerce	Mudhol	Bagalkot	Karnatak	8904203302	8904203302
7-23-2021 12:47:13	divya.k.kulkarni@gmail.com	Divyashree.k.kulkarni	Student	P C Jabin science College hubli	Statistics	Hubli	Dharwad	Karnataka	8904676359	8904676359
7-23-2021 21:47:50	shrishailhatti2@gmail.com	SHRISHAIL HATTI	Assistant Professor	M. G. V. C. Arts, Commerce and Science College, Muddebihal	Commerce	Muddebihal	Vijayapur	Karnataka	9741428255	9741428255
7-23-2021 22:21:02	sc638134@gmail.com	Sunita s chavan	Student	Mgvc college muddebihal	Ncc/nss	Bijapur	Bijapur	Karnataka	07666857816	07666857816
7-23-2021 22:45:13	bnmathmgvc@gmail.com	BASAVARAJA NINGAYYAMATA	Guest Faculty	MGVC ARTS COMMERCE AND SCIENCE COLLEGE MUDDEBIHAL	COMMERCE	MUDDEBIHAL	VIJAYAPURA	KARNATAKA	6362146648	6362146648
7-24-2021 11:20:28	tejashwinisajjan468@gmail.com	Nanadamma c sajjan	Student	Mgvc science arts & commerce college muddebihal	Science	Muddebihal	Vijayapur	Karnataka	7349753417	7349753417

  
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**1.G.V.C. Arts, Commerce & Science College**  
**MUDDEBIHAL-586212. Dist: Vijayapur.**



**MGVC ARTS, COMMERCE AND SCIENCE COLLEGE, MUDDEBIHAL**

**National Webinar on "Cohort Analysis in Transportation"**

**FEEDBACK LIST**

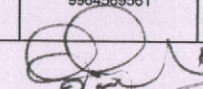
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7-19-2021 12:55:58	abkmgvc@gmail.com	A.B.Kulkarni	Administrator	M.G.V.C.College, Muddebihal	Statistics	Muddebihal	Vijayapur	Karnataka	9448751249	9448751249
7-23-2021 22:45:13	bnmathmgvc@gmail.com	BASAVARAJA NINGAYYAMATA	Guest Faculty	MGVC ARTS COMMERCE AND SCIENCE COLLEGE MUDDEBIHAL	COMMERCE	MUDDEBIHAL	VIJAYAPURA	KARNATAKA	6362146648	6362146648
7-23-2021 12:47:13	divya.k.kulkarni@gmail.com	Divyashree.k.kulkarni	Student	P C Jabin science College hubli	Statistics	Hubli	Dharwad	Karnataka	8904676359	8904676359
7-19-2021 13:18:50	fnadaf1964@gmail.com	Dr. F. H. Nadaf	Associate Professor	Anjuman Arts, science, Commerce College and P. G. Studies, Dharwad	Statistics	Dharwad	Dharwad	Karnataka 9448775233	9448775233	9448775233
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7-19-2021 13:21:48	isgokakrbg@gmail.com	Prof. I. S. Gokak	Assistant Professor	S. P. Mandal's Arts and Commerce College Raibag	Statistics	Raibag	Belagavi	Karnataka	9901612007	9901612007
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7-22-2021 11:33:21	mabmgvc70@gmail.com	Mallikarjun A Biradar	Associate Professor	MGVC Arts Commerce and Science College Muddebihal	English	Muddebihal	Vijayapur	Karnataka	9945987778	9945987778
7-21-2021 8:33:54	manasa.patil91@gmail.com	MANASA PATIL	Guest Lecturer	M G.V.C.Arts Commerce and Science college Muddebihal	Mathematics	MUDDEBIHAL	VIJAYAPURA	Karnataka	8088766933	8971073075
7-19-2021 13:16:52	murageshmhatpati5@gmail.com	Math Muragesh Mantayya	Sraticitian, Community Medicine Department	BLDE(Deemed To Be University) Shree B.M.Patil Medical College Vijayapur	Statistics	VIJAYAPUR	Vijayapur	India	7770082496	7770082496
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7-19-2021 13:43:58	rahimsirm@gmail.com	Dr.ABDURRAHIM.A.MUL LA	Assistant Professor,HOD of Urdu	M.G.V.C.Arts,Commerce and Science College Muddebihal	URDU	MUDEDEBIHAL	VIJAYAPUR	KARNATAKA	9448268723	9448268723
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7-23-2021 22:21:02	sc638134@gmail.com	Sunita s chavan	Student	Mgvc college muddebihal	Ncc/nss	Bijapur	Bijapur	Karnataka	07866857816	07866857816
7-23-2021 21:47:50	shrishailhatti2@gmail.com	SHRISHAIL HATTI	Assistant Professor	M. G. V. C. Arts, Commerce and Science College, Muddebihal	Commerce	Muddebihal	Vijayapur	Karnataka	9741428255	9741428255
7-19-2021 14:12:37	shrutihonawad@gmail.com	SHRUTI HONAWAD	MSC	Karnataka University Dharwad	Sratics	Vijayapura	Vijayapura	Karnataka	7090596971	7090596971
7-19-2021 14:16:37	siddappahugar12@gmail.com	Mr.Siddappa Hugar	Lecturer	Karnataka state akkamahadevi women's university vijayapura	Statistics	Bijapur	Vijayapura	Karnataka	+919740384426	9740384426
7-19-2021 13:26:20	siddu.ydg@gmail.com	G.Sidramreddy	Associate professor	M.E.S Arts and Commerce College Mudalgi Dist: Belagavi	Statistics	Mudalgi	Belagavi	Karnataka	9448860545	9448860545
7-19-2021 13:19:38	srinivasaat1974@gmail.com	Dr.Srinivasa A.T.	Assistant professor	BLDEA'S New Arts College Tikota	Statistics	Tikoa	Vijayapur	Karnataka	9448613030	9448613030
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7-23-2021 11:49:41	vibeerannavar143@gmail.com	Mr. VINAYAK BEERANNAVAR	SDA	SHRI S R KANTHI COLLEGE MUDHOL	Commerce	Mudhol	Bagalkot	Karnatak	8904203302	8904203302
7-19-2021 15:27:50	vslamani93@gmail.com	VALAPPA S LAMANI	Asst Professor	M.G.V.C, ARTS, COMMERCE AND SCIENCE COLLEGE MUDEDEBIHAL	KANNADA	MUDEDEBIHAL	VIJAYAPUR	KARNATAKA	9731041972	9731041972
7-19-2021 14:29:30	vsorganvi@gmail.com	Dr. Vijaya M Sorganvi	Associate professor (statistics)	BLDE Deemed to be university Shri B M Patil Medical College and Research centre Vijayapur-586102	Statistics	Vijayapur	Vijayapur	Karnataka	9964569561	9964569561



  
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SGVC Vidya Prasarak Trust's

**MGVC ARTS, COMMERCE AND SCIENCE COLLEGE,**  
MUDDEBIHAL



## ONE DAY NATIONAL LEVEL WEBINAR ON "RECENT TRENDS IN COHORT ANALYSIS"

### CERTIFICATE OF PARTICIPATION

**Suresh Bidarakundi**

Associate Professor M G V C College Muddebihal

has participated in the National level Webinar on "RECENT TRENDS IN COHORT ANALYSIS"  
Organised by department of **STATISTICS** in association with Internal Quality Assurance Cell on  
24-07-2021.

**Prof. N.S. Patil**  
Organising Secretary

**Prof. S.N. Bidarkundi**  
Convener

**Dr. B.A. Guli**  
IQAC Coordinator

**Prof. S.V. Gurumath**  
NAAC Coordinator

**Prof. S.N. Poleshi**  
Principal

**Prof. A.B. Kulkarni**  
Administrator

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M.G.V.C Arts, Commerce and Science College, Muddebihal



Notional Level Webinar On

## **“RECENT TRENDS IN COHORT ANALYSIS”**

Organised by Department of Statistics and an initiative of Internal Quality Assurance Cell of our college.

### **REPORT OF THE WEBINAR**

Cohort analysis is an important application of statistics in modern days. Cohort analysis is a subset of behavioural analytics that takes the data from given platform, web application or online game and rather than looking of all users as one unit, it breaks them in to related groups or cohorts, usually share common characteristics within a defined time span .

In recent trends, the power of cohort analysis lies in the fact that, it enables not only to view which customers leave and when they leave but also to understand why the customers leave. That is how one can identify how well the users are being retained and also determine the primary factors driving the growth, engagement and revenue.

Shri Ashok.S. Tadasad, chairman of our college Governing body inaugurated this national level webinar on Recent trends in cohort analysis. He Spoke on recent trends in business cohort by giving examples. He told; cohort refers to a group of people who have been included in a study by an event that is based on the definition by researcher. The people borned in 2020 at Bengaluru will be called as birth cohort and like this people

  
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who smoke will be termed as smoke cohort, A cohort effect Could be seen in an experiment in which participants use a Computer to perform a cognitive task. The result might show that participant in their 20s did vastly better on the Cognitive test than participants in their 60s.

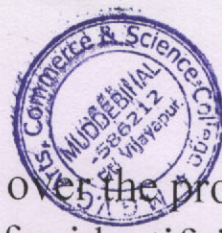
He told cohort is any group of people with a shared characteristic. In birth cohort what is common to all individuals is their birth year. In cohort analysis, the study participants are followed over time from weeks to years. The cohort analysis can be applied in business, transportation, production and other fields, Now a days it has got lot of applications. With these words he completed his inaugural Speech.

Before inauguration ,Prof.S.N.Bidarakundi welcomed all the delegates and Student participants for this National Level webinar on recent trends in cohort analysis, Prof S.N. Bidarakundi was convenor for this webinar. who organised the webinar neatly He introduced Resource person shri H.N. Patil, planning officer, MSRTC, Pune.

Retired Principal and Professor of Statistics has given keynote address, He told cohort analysis is a tool to measure user engagement overtime. It helps to know whether user engagement is actually getting better over time or is only appearing to improve because of growth.

It proves to be valuable because it helps to separate growth metrics from engagement metrics as growth can easily mask engagement problems. In reality the lack of activity of the old users is being hidden by the impressive growth numbers of new users. whatever the evaluation key metrics we define for the business; cohort analysis lets we view how the metrics develop





over the customer life time as well as over the product lifetime. He said acquisition cohorts are great for identifying trends and the point when people are churning, but it is hard to make actionable insights like to understand why they are leaving, which requires the use of another type of cohorts.

Let us consider an example of App. Long term success for APP developers does not mean only getting Someone to download their App, but also getting them to make repeat visits. To get to the must have value Proposition of your App product, you need go beyond vanity metrics like download counts and even daily active users or month active users that only measure growth and retention. we need to dig deeper into App using a method of cohort analysis.

A traditional cohort divides people by the week or month of which they were first acquired. sometimes segment word is often used instead of cohort. He said cohort analysis is descriptive analytics. Customers are divided in to mutually executive cohorts, which are then tracked overt time. Vanity indicators do not offer the same level of perspective as cohort research, Generally there are three major types of cohort, Time cohort, Behaviour cohorts and size cohorts. Time cohorts are those where in Customers who signed for a product or service during a particular time frame. customers who purchased a product or subscribed to service in the past is called behaviour cohorts. Size cohorts refers to the various sizes of customers who purchase company's product or services. cohort analysis allows us to identify relationship between the population and characteristics and that population's behaviour. With these few words he concluded his keynote address which is very





informative and to update us in recent development in cohort analysis.

We had a very informative and knowledgeable resource person of national importance to this webinar. He served as planning officer of MSRTC Pune. His Knowledge and practical utility of Cohort analysis proved during his Speech.

He explained multimodality, the behavioural phenomenon of using multiple modes of transportation. The Study suggested the useful indicator of an individual's willingness to adopt more sustainable transport alternatives. He told about problems incurred in transportation of Maharashtra state as for cohort data is concerned. He adopted the hierarchical age period cohort model to estimate the net effects of age, period and cohort on multimodality. The analysis showed that travellers tend to be less multimodal as they get older. The age effects may be moderated by work or physical mobility constraints. The total variance in multimodality accounted for by cohort was larger than explained by periods.

This may be partially explained by the joint influence of multiple spatial mobility constraints as well as by the distinctive early Life conditions and formative experience of baby boomers in terms of driving during the economic expansions.

He has taken his own problems and Solutions by considering Pune division Maharashtra state Road Transportation Corporation data. In detail he has given what are problems in transportation of buses and how they overcame from such situation by applying cohort analysis process. He has taken a particular problems and prepared cohort table and given





improvement points to attract passengers. The example given by him was very informative and understandable by a layman. The delegates are benefitted by resource person.

After the speech of resource person, Prof. N.S. Patil, organising Secretary of this webinar tendered vote of thanks. A feed is taken from each delegate and sent E-certificates to all who submitted feed by through E-mails.

  
Organising Secretary

  
Convener

  
Principal

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