



Koshika, The Zoological Society



Daulat Ram College, University of Delhi



Under the aegis of IQAC

Is Organising

5 Days Online Workshop

On

Academic Writing

From 18th December, 2022



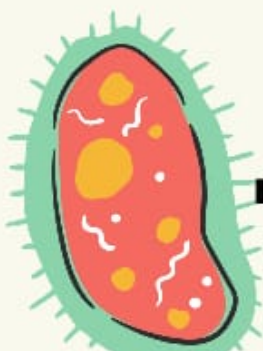
Highlights

1. Methods of survey data collection and representation.
2. Science writing tools.
3. Literature search and abstract preparation .
4. Digital tools for Poster/Flip book/ Flyer designing.



Open for all Science Students

Link For Registration: <https://forms.gle/unszoju2QQkeRNbv6>



**IQAC Co-ordinator
Prof. Rajni Sahni**

**Convenor
Dr. Sunita K Yadav
Dr Jyoti Taneja**

**Principal
Prof. Savita Roy**

**Teacher In-charge
Dr. Madhu**



Winter Workshop on “Academic Writing”

Organising Department: **Koshika, The Zoological Society**

Convenors : **Dr. Jyoti Taneja, Dr. Sunita Kumari Yadav**

S.No.	Topic	Details	Resource person	Date and Time
1.	Research methodology	Frame a well defined and specific research question. Data collection tools and management	Dr. Jyoti Taneja	Dec 18 11 am-12 pm
2.	Data Presentation	Graphical representation of statistical data	Dr. Jyoti Singh	Dec 18 12:30 pm- 1:30 pm
3.	Science symbol usage, Grammer and plagiarism checking tools, paraphrasing tools.	Symbol usage in various science writing, Grammer correction and online plagiarism checking tools. Paraphrasing tools to change the literature language	Dr. Sunita K. Yadav	Dec 25 11 am-12 pm and 12:30 pm- 1:30 pm
4.	Guidance about fellowship and internship	You will learn how to apply for various Indian and International Fellowships and Internships	Ms. Shramana Ms. Khushi Ms. Ekta mohanti	Jan 1 11 am-12 pm
5.	Flip book/Flyer designing	Digital tools for designing flip book and flyer for conferences/symposium/workshops etc.	Ms. Aashi	Jan 1 12:30 pm- 1:30 pm

6.	Power point presentation	Professional presentation of data for various oral presentations or talk in conferences/seminars	Dr. Nisha	Jan 8 11 am-12 pm
7.	Literature survey and Bibliography format	Search tools and sites for literature review and learn tools for referencing	Dr. Priya Bhardwaj	Jan 8 12:30 pm- 1:30 pm
8.	Abstract writing	Abstract writing to submit for various conference proceedings	Dr. Jyotsna	Jan 15 11 am-12 pm
9.	Valedictory session	Welcome note for Guest of honour	Dr. Jyoti Taneja Dr. Sunita K. Yadav	Jan 15 12:30 pm- 1:30 pm



Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE OF APPRECIATION

Presented to


DAULAT RAM COLLEGE, UNIVERSITY OF DELHI

*In recognition of active participation in the **National Intellectual Property Awareness Mission (NIPAM)** launched by the Government of India on the occasion of the 75th anniversary of independence under the banner "Azadi Ka Amrit Mahotsav" to create widespread awareness on Intellectual Property Rights (IPR). The exceptional contribution in successfully organizing the awareness programme on **April 12, 2022** in association with **Intellectual Property Office, Delhi** by providing your valuable time and support is highly appreciated.*

Solicit your continued support for outreach of IPR far and wide.

Date: April 19, 2022




(Prof. (Dr) Unnat P. Pandit)
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PATENTS, DESIGNS & TRADE MARKS



Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE

This is to certify that, **DR. DARSHAN SINGH (ASSOCIATE PROFESSOR DEPARTMENT OF CHEMISTRY) , FACULTY of DAULAT RAM COLLEGE, UNIVERSITY OF DELHI** has successfully participated in IP Awareness/Training program under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**

on April 12, 2022

Organized by
Intellectual Property Office, India



(Prof. (Dr) Unnat P. Pandit)
CONTROLLER GENERAL OF
PATENTS, DESIGNS & TRADE MARKS

Date: April 19, 2022



Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE


This is to certify that, **DR. DARSHAN SINGH, ASSOCIATE PROFESSOR DEPARTMENT OF CHEMISTRY of DAULAT RAM COLLEGE, UNIVERSITY OF DELHI** co-ordinated in conducting the Intellectual Property Awareness program under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**

on April 12, 2022

Organized by
Intellectual Property Office, India

Date: April 19, 2022




(Prof. (Dr) Unnat P. Pandit)
CONTROLLER GENERAL OF
PATENTS, DESIGNS & TRADE MARKS

Report of IPR
Department of Chemistry
12 April 2022

The Department of Chemistry, Daulat Ram College organized a webinar on “Intellectual Property Rights Career and Future Prospective” in collaboration with collaboration with Ministry of commerce and industry NIPAM, as a part of Azadi ka Amrut Mahotsav on 12 April 2022 via online mode on zoom platform. **Dr MD ATIQULLAH, assistant controller** of Patents and Designs was invited as the resource person. Nearly 116 students registered for this program. He introduced the term IPR to the audience and its relevance in the modern society. If one wishes to start a business then it becomes important to know how to use, guard and enforce the rights over the intellectual property that an individual or his business owns. Many types of IPR are there in India. No one can protect its own idea/innovation until unless he or she has filed IP. Paper on IPR is currently under consideration as a part of national education policy (NEP) which attracted the students to attend the session. Overall session was interactive and thoroughly enjoyed by all the participants.

Dr Darshan, Convener

Dr Anuradha, Co-convener

Dr Divya Mathur, Organizing Secretary

Department of Zoology

Daulat Ram College

Organising Student Training Workshop

“Research Analysis: Tools and Techniques”

(August 16-21, 2021)

Coordinators : **Dr. Jyoti Taneja (TIC)** and **Dr. Sunita Kumari Yadav**

S.No.	Topic	Details	Resource person	Date and Time
1.	Research Methods	<ol style="list-style-type: none">1. Frame a well defined and specific research question2. Basic understanding of qualitative and quantitative research designs3. Data collection tools and Management	Dr. Jyoti Taneja	August 16 2:30-4 pm
2.	Data Presentation	Graphical representation of statistical data	Dr. Sonika	August 16 4:30-6 pm
3.	Data Analysis-I	<ul style="list-style-type: none">• Descriptive Statistics, cross tabulation and charts• Qualitative analysis of survey data	Dr. Priya Bhardwaj	August 17 2:30-4 pm
4.	Data Analysis-II	Introduction to Data analysis using <ul style="list-style-type: none">• Use of Graph Pad Prism in Modern Biostatistics	Dr. Priya Bhardwaj	August 17 4:30-6 pm
5.	Data Analysis-III	Data analysis using MS Excel <ul style="list-style-type: none">• Student's t-test	Dr. Sunita K. Yadav	August 18 2:30-4 pm

		<ul style="list-style-type: none"> ANOVA 	Dr. Pallavi Sethi	4:30-6 pm
6.	Poster Presentation	Poster making for seminars/conferences	Dr. Neha Niharika	August 19 2:30-4 pm
7.	Publication writing-I	Search tools and sites for literature review	Dr. Madhu	August 19 4:30-6 pm
8.	Publication writing-II	Research publication writing: <ul style="list-style-type: none"> Review writing. Abstract/Report writing 	Dr. Meenakshi Thakur Dr. Jyotsana	August 20 2:30-4 pm
9.	Publication writing-III	Ethical and regulatory consideration in research <ul style="list-style-type: none"> Referencing/Citation Plagiarism 	Dr. Sushma Bhardwaj	August 20 4:30-6 pm
10	Valedictory session	Vote of thanks Certificate Award	Dr. Jyoti Taneja and Dr. Sunita K. Yadav	August 21 2-4 pm



PHYSICS DEPARTMENT, DAULAT RAM COLLEGE UNIVERSITY OF DELHI



DBT Star College, NAAC Accredited Grade "A" College NIRF-
26th Rank, India Today Ranking- Science: 7th Rank; Commerce:
13th Rank; Humanities: 15th Rank

UNDER THE AEGIS OF IQAC

Organizes

A webinar titled

"Artificial Intelligence and Machine Learning for Physicists"



February 12



12:00 Noon



Zoom



Dr. Shivi Garg

(Honourable Speaker)

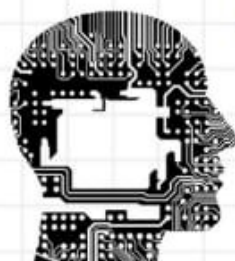
J.C. Bose University Of
Science & Technology

Prof. Savita Roy

(Patron)

Principal
Daulat Ram College

HIGHLIGHTS:



- How is ML Different from X?
- How much data is required to train ML model?
- Motivating Example: Learning to filter Spam
- Applications of ML (in Physics)

Zoom Meeting Link

<https://zoom.us/j/94241667361?pwd=NEFFeEVMVINKY1dreFIMZUNOakpHQOT09>

Meeting ID: 942 4166 7361

Passcode: 411754

Artificial Intelligence and Machine Learning for Physicists

An exclusive webinar session for the faculty members and BSc Honours physics students was organised by physics department of Daulat Ram College on the topic “**Machine Learning and Artificial Intelligence**” scheduled on 12 Feb 2022 at 12 p.m. The session was presided over by respected Dr.Shivi Garg, researcher at JC Bose University of Science and Technology. She explained in very interactive and joyable manner about the artificial Intelligence and how could we physics students related to it.

The crucial session was attended by our respected principle ma'am Dr. Savita Roy and was elated with the innovative suggestions and ideas that was discussed in the session by Dr.Shivi Garg. She mentioned some of the milestones achieved on the part of artificial intelligence. She further threw light on the fact how iOS is more secure than Android. The session went on to be more informative as she continued to talk about the daily use apps and their security and intelligence.

The session proceeded with a questionnaire round and finally a vote of thanks to honorable speaker, the Management Committee and all esteemed delegates.

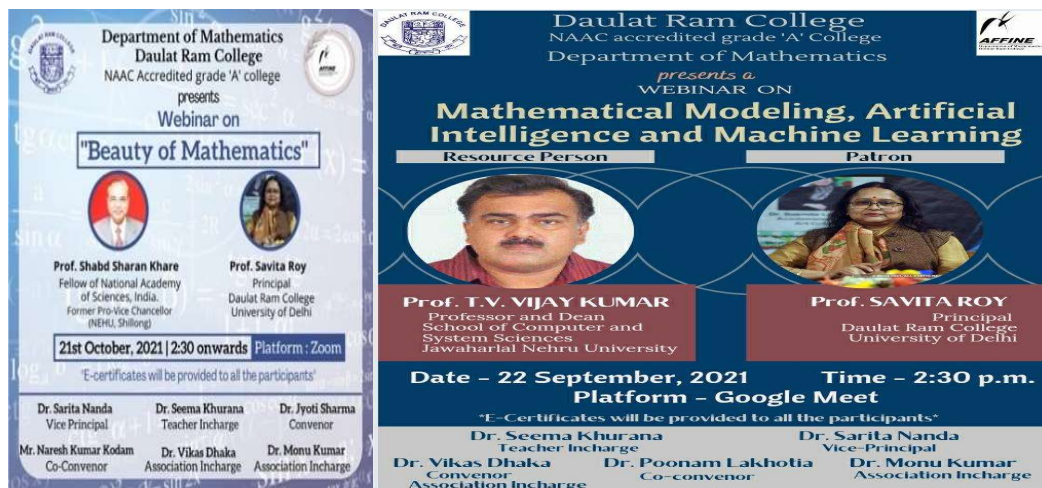
Webinar held on 22nd September, 2021, on “Mathematical Modelling, Artificial Intelligence and Machine Learning”

Affine-The Mathematics Association, Department of Mathematics, Daulat Ram College organised a webinar on “Mathematical Modelling, Artificial Intelligence and Machine Learning” on 22nd September, 2021 from 2:30 to 4:00 p.m. The guest speaker was Prof. T.V. Vijay Kumar who is the Professor and Dean of School of Compute and System Sciences, Jawaharlal Nehru University with keen interests in Databases, Data Warehousing, Data Mining, Machine Learning, Nature Inspired Algorithms, Disaster Management, Big Data and Analytics.

Prof. T.V. Kumar commenced the session with topic intelligence and quoted “Intelligence has nothing to do with education, you may be educated but still not be intelligent and may not be educated and still be intelligent”. He then talked about What is Artificial Intelligence? and its classification into Weak AI which is predominantly used on stimulated thinking basis and Strong AI, Narrow & General AI and Super Intelligence. He also shared about his experience at UNESCO forum and an Indian Delegation to France about AI in Mathematics and How countries are heavily investing on exploration of exploitation AI. He continued with Turing test and applications of AI such as beating Gary Kasparov in chess, finding the best move from all possible outcomes in shorted time period. He then talked about the NITI Ayog major five focusses on AI i.e., healthcare, agriculture, education, smart city infrastructure and smart mobility and transportation. He then spoke about Machine Learning, a branch of AI and its goal for computers to learn automation without or minimal human intervention. He then discussed about its types and explained them briefly. He simplified about the study about products frequently bought together and its interesting findings about link between bear and diaper and interpreting these to strategize and put knowledge into action for the research to not to go in vain. He also discussed travelling salesman problem and explained it by giving a layman example of buying a mobile phone from a mall with many floors and shops, where it is hard to find the optimal solution due to large search space.

He concluded his presentation with nature inspired algorithms and when to use them with examples of some nature inspired solutions such as ants’ behaviour of foraging food helped in framing better traveling salesman problem solutions, dance floors in beehive for bee colony optimizations etc.

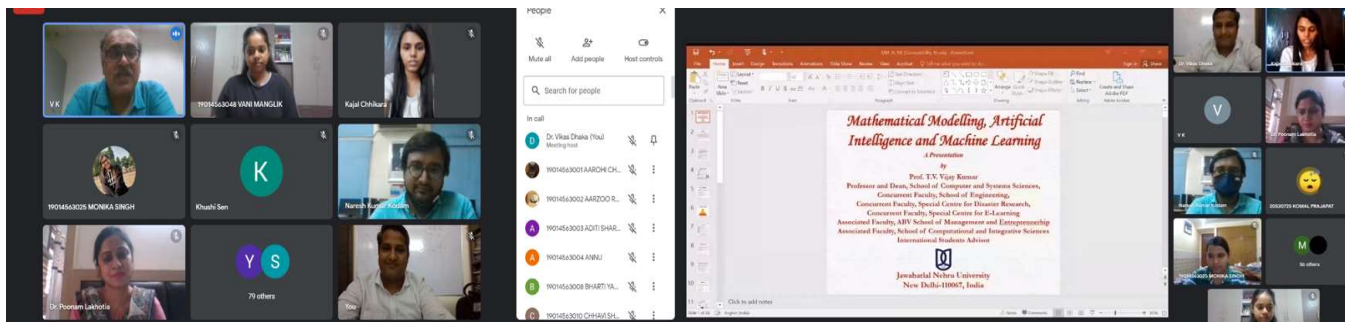
After the session he encouraged students to clear their doubts and also shred his journey from a mathematics to computer science. It was a very informative session where students learned about the



use of mathematics, modeling and optimization techniques in various fields. The session culminated with a vote of thanks presented by DR Poonam Lakhota, Co-convenor, Department of Mathematics,

Name of Competition	Name of speaker	Date	Topic	No. of students participated
Annual Fest Shoonya-2021	Prof. Pankaj Gupta, Professor, Department of Operation Research, University of Delhi	4th April 2021	Decision Making using AHP	About 200
Webinar	Dr S.K. Varshney (Advisor and Scientist at Department of Science and Technology, Government of India.)	3 rd September,2021 from 2:30 to 4:00 p.m.	“Current Trends in Science and Technology”	More than 100
Webinar	Prof. T.V. Vijay Kumar (Professor and Dean of School of Compute and System Sciences, Jawaharlal Nehru University)	22 nd September,2021 from 2:30 to 4:00 p.m.	Mathematical Modeling, Artificial Intelligence and Machine Learning	More than 100
Webinar	Prof. Shabd Sharan Khare (National Academy of Sciences, India)	21 October, 2021 from 2:30 to 4:00 p.m.	Beauty of Mathematics	More than 100
Fresher's Party		12 January, 2022		More than 150

DRC and a group picture.



Webinar held on 21st October 2021 on “Beauty of Mathematics”

The Department of Mathematics, organised a lecture on the topic “Beauty of Mathematics” by Prof. Shabd Sharan Khare, Retd. Professor, Department of Mathematics, North Eastern Hill University (NEHU), Shilong held on 21st October 2021. The lecture gave the students an insight into the role of beauty of mathematics in nature like occurrence of Fibonacci numbers as sizes of leaves and beauty of symmetricity.

Prof. Shabd Sharan Khare, Retd. Professor, Department of Mathematics, North Eastern Hill University (NEHU), Shillong.

Fresher's Party- 2021

"Freshers Party", the day of anxiety, cheerfulness, to interact with batchmates and to feel comfortable, the day to be remembered always. While every newbie buckled up their shoes to attend the freshers party, the barrier of screens prevailed. Nevertheless, it's better to have something rather nothing. With the feeling of nervousness and excitement, everyone allied to " Freshers Party 2021" of Affine with the theme "Colour your Culture". Blast of loud music, happy

WORKSHOP ON SPSS AND PUBLISHING RESEARCH WORK
Organised by Capacity Building Centre, under Psychology resource centre
16th - 19th July, 2021

Karl Pearson once said ‘statistics is the grammar of science’

Statistical knowledge helps you use the proper methods to collect the data, employ the correct analyses, and effectively present the results. Statistics is a crucial process behind how we make discoveries in science, make decisions based on data, and make predictions.

Statistical methods are an essential and vital tool in scientific research. They help in designing experiments, analyzing and interpreting data. They also contribute to making appropriate decisions in the light of the researcher's findings.

It is through publication that the research, including its scientific and practical contributions, is disseminated to others in a particular field. This makes scientific researchers and practitioners with similar interests aware of new knowledge in their field and it helps to advance knowledge and its application.

For students aspiring to publish research articles, it is important to understand certain key aspects that may aid them in the process such as impact factor of journals, journal ratings, h-index etc. which are quintessential while they aim to publish their research. Thus this workshop was organised.

After the workshop a feedback form was filled by the participants.

DAULAT RAM COLLEGE
(NAAC ACCREDITED GRADE 'A' COLLEGE)
UNIVERSITY OF DELHI

CAPACITY BUILDING CENTRE
DEPARTMENT OF PSYCHOLOGY

presents

Workshop on Publishing Research Work • LIVE

SCHEDULE

Day 1: Working with SPSS
by Dr Deepesh Rathore

16th July 2021
2:30 PM - 4:30 PM

Day 2: Research journals by
Dr Suparna Jain Thakur

17th July 2021
2:30 PM - 4:30 PM

Insight for all those students who are looking for opportunities to publish their research papers

Explore and learn Statistical Package for the Social Sciences (SPSS)

Understand concepts like impact factor, h index, journal rating and much more

Prof (Dr) Savita Roy
Principal

Dr Suparna Jain Thakur
Convenor, Capacity Building Centre

E-Certificates will be provided on completion of assignments & quiz

Only for upcoming 3rd-year Psychology students (Batch of 2022)

Dr Suparna Jain Thakur - 9811953340 Muskan Dhankhar - 9559990385

SCHEDULE OF THE WORKSHOP:

The workshop was divided into 2 sessions:

Day 1 (16th July, 2021) – Basic SPSS

Day 2 (17th July, 2021)– Advanced SPSS (This session was incorporated later on the demand of the participants)

Day 3 (19th July, 2021) – Publishing in research journals

RESOURCE PERSONS:

Days 1 and 2 – Dr Deepesh Rathore

Day 3 – Dr Suparna Jain Thakur

METHOD OF EVALUATION:

The participants became eligible to secure a certificate on completion of:

- 2 assignments on SPSS for hands on training
- 1 quiz on publishing in research journals

PARTICIPANTS:

3rd Year students of Psychology Hons., DRC

Out of 41 registrations, 21 received the certificate of completion after meeting the submission requirements.

FEW GLIMPSES:

Day 1:

The screenshot shows a Zoom meeting interface. At the top, it says "Mr.Deepesh Rathore is presenting". The main window displays an SPSS Data Editor window with a table of data. The table has columns for "Gender", "Stream", "Item1" through "Item12", "Verifiability", and "Item08_1". The data rows contain numerical values for each column. Below the table, there are icons for mute, video off, and chat. At the bottom of the Zoom window, there are icons for mute, video off, chat, and a red phone icon. To the right of the Zoom window, there is a chat window titled "In-call messages". The chat window shows a list of messages from participants, including Prateeti Majumdar, Soumya, Lakshaye Chopra, and Arista Biswas. The chat window also has a toggle for "Let everyone send messages" and a "Send a message to everyone" button.

	Gender	Stream	Item1	Item2	Item3	Item4	Item5	Item6	Item7	Item8	Item9	Item10	Item11	Item12	Verifiability	Item08_1	
1	1	1	1	4	4	2	2	3	1	3.00	3	3	3	4	12.00	3.0	
2	1	1	1	3	2	3	3	2	3	2.00	4	2	2	1	9.00	2.0	
3	1	1	1	3	1	4	3	3	3	2.00	4	3	1	2	8.00	2.0	
4	1	1	2	3	1	3	2	4	1	3.00	3	3	1	1	7.00	3.0	
5	1	1	2	3	1	3	2	3	2	4.00	3	3	2	1	7.00	4.0	
6	1	1	2	2	3	4	3	4	4	2.00	2	4	1	2	8.00	2.0	
7	1	1	1	3	3	2	2	2	2	3.00	4	2	3	3	10.00	3.0	
8	1	1	1	3	4	2	4	4	4	2	1.00	4	4	1	11.00	1.0	
9	1	1	1	3	3	2	2	3	3	2.00	3	3	3	2	10.00	2.5	
10	1	1	2	3	1	4	2	4	1	4.00	3	4	1	1	7.00	4.0	
11	1	1	2	2	2	1	3	2	4	3.00	4	2	2	1	7.00	3.0	
12	1	1	2	4	3	2	3	3	3	1.00	1	3	2	1	10.00	4.0	
13	1	1	3	2	2	3	3	3	3	1.00	2	3	1	1	6.00	4.0	
14	1	1	3	3	2	1	3	2	1	4.00	2	1	4	4	7.00	4.0	
15	1	1	3	2	4	4	4	3	4	1.00	2	3	2	1	8.00	1.0	
16	1	1	2	3	2	2	3	3	1	4.00	2	3	1	4	8.00	4.0	
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23	1	1	3	2	3	4	3	3	2	1.00	4	3	1	1	7.00	1.0	
24	1	1	3	2	2	3	3	4	2	4.00	2	3	1	1	6.00	4.0	
25	1	1	2	2	3	2	2	4	2	3.00	2	3	2	1	8.00	3.0	
26	1	1	3	2	3	3	2	3	2	3.00	3	4	1	2	7.00	3.0	
27	1	1	2	3	2	4	2	3	3	3.00	2	3	3	3	8.00	3.0	

DAY 2:

Mr.Deepesh Rathore is presenting

Chart Builder

Chart preview uses example data

Element Properties

Bar

Statistic: Mean

Display error bars:

Level (%): 95

Standard error: 1.0

Standard deviation: 2.0

Bar style: Bar

4:23 PM | mxc-borw-fou

DAY 3:

Suparna Jain is presenting

Web of Science Core Collection

Collection List Downloads

Web of Science Core Collection

Additional Web of Science Indexes

The Web of Science Core Collection™ includes the Science Citation Index Expanded™ (SCIE), Social Sciences Citation Index™ (SSCI), Arts & Humanities Citation Index™ (AHC), and Emerging Sources Citation Index™ (ESCI). Web of Science Core Collection includes only journals that demonstrate high levels of editorial rigor and best practice. The Journal Citation Reports™ includes journals from the SCIE and SSCI.

Each collection list download includes the journal title, ISSN/eISSN, publisher name and address, language, and category.

Science Citation Index Expanded (SCIE)

Social Sciences Citation Index (SSCI)

Arts & Humanities Citation Index (AHC)

Emerging Sources Citation Index (ESCI)

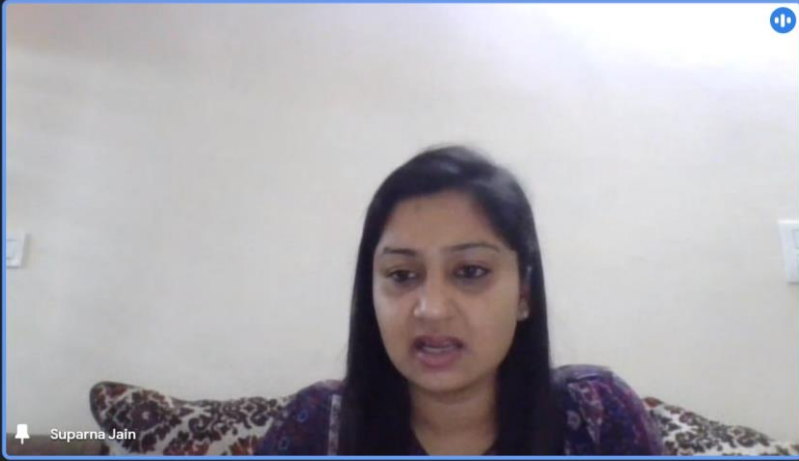
JCR 2022


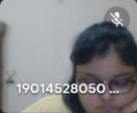
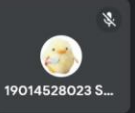






Additional Web of Science Indexes

00:10:09

2:48 PM | mxc-borw-fou

Suparna Jain is presenting



 19014528001 ...	 19014528050 ...	 19014528023 S...
 19014528022 V...	 19014528020 Y...	 (Suparna ...)
 19014528002 D...	 20 others	 You

2:41 PM | mxc-borw-fou



LIFE SCIENCE – ASTITVA

Association In Charge: Dr Ritu Gupta

Astitva ,life science association had an amazing eventful year. The year began with the elections being held for the office bearers of the association 2021-22. The elections for the post of President, Vice president and General secretary were held on 31st August ,2021. The election for the post of Treasurer was held on 5th February,2022 after the admissions of the first year students.

Office bearers elected for life science association 2021-22

President - Trishla Gupta

Vice President – Shramana Guchhait

General secretary – Vaishali Pant

Treasurer - Ume Kulsum

The Astitva , life science association inaugurated by organizing a webinar on “ Ayurgenomics” by Dr Bhavana Prasher, Senior scientist principal at Genomic and Molecular Medicine, Functional Genomics Unit, Institute of Genomics and Integrated Biology (CSIR), New Delhi.

The webinar conducted was dealing with the knowledge of Ayurgenomics, the new concept of amalgamation of Ayurveda and genomics. All the participants were given E-certificates.

The union members of Life science association were also welcomed in this event .

A poster making competition was held on 10th October on the *topic - Mental health, to mark the occasion of World Mental Health Day.*

Several entries were received for the competition. The students showcased the vast amount of talent they possess by interpreting the concept in their own different ways.e-certificates were presented to the participants and the winners.

An online masterclass was organized from 1st to 10th November,2021 for the students of Daulat Ram college on the topic “ Python as an important tool for data analysis” by Mr. Siddhant Tripathi, B.Tech Computer science Project, Intern at DRDO, Mentor at Vigyaanshala International. 14 students participated in the classes. At the end, the students were able to form programmes in the python language. The students from various department participated in this class and received e-certificate after the completion of the course.

An online fresher party was held on 16th January for the first year students.

An online interactive session was held to welcome the students of first year. Various games were played and all the students enjoyed a lot. This year Association has taken a new initiative by forming a marketing team to handle the responsibility of the social media pages of the Association. Overall the year proved to be quite fruitful for the student

ACADEMIC ACTIVITIES UNDER IQAC (FDPs/ Webinars/ Workshops/Conferences/TED^x)

Organizing Department	Convenor	Topic	Resource Person/s	No. of Faculty Participated		No. of Students Participated		Date
				Inside College	Outside College	Inside College	Outside College	
Department of Sanskrit	Dr Kamna Vimal	योगो हि परमोषधम् (Yogo Hi Paramaushadham - Relevance of Yoga in Present Times) (Lecture cum Workshop)	Ms. Rashmi Jain (Yoga Instructor and Researcher, Kavikulaguru Kalidasa Sanskrit University, Ramtek)	-	-	90	-	21-06-2021
Department of Economics in Collaboration with Meghnad Desai Academy of Economics, Mumbai	Dr Malini Sharma	Data Analytics with R (Add-on Course)	Dr Sandhya Krishnan, Meghnad Desai Academy of Economics Dr Ishita Ghoshal Fergusson College, Pune	5	1	43	77	14-08-2021 to 16-10-2021
Department of Mathematics	Dr Poonam Lakhota (Convenor) Mr. Naresh Kumar Kodam (Co-convenor)	Decoding NEP: Redefining Goals and Pedagogies of Today's Education for the World of Tomorrow (Webinar)	Prof. Shobha Bagai, Cluster Innovation Centre, University of Delhi	100				24-08-2021
Department of Chemistry	Dr Darshan (Convenor) Dr Divya Mathur, Dr Anuradha (Co-Convenors)	Footprints of Indian Women in Science (Webinar)	Sr. Prof. Rita Kakkar, Former Head of the Department of Chemistry and Dean of Sciences, University of Delhi	More than 70				25-08-2021
Department of Commerce	Dr Sunita	Basics of Income Tax and e-filing of ITR for Salaried Individuals for FY 2020-21	Dr SB Rathore, Former Associate Professor of Commerce, Shyam Lal College, University of Delhi and Youtuber.	~ 307		-	-	01-09-2021
B.A. Programme Committee	Dr Moitree Bhattacharya	The Writing Workshop	Ms Sakshi Wason, Department of English, DRC	-	-	39		13-09-2021
Psychology (Centre for Well-being and Flourishing, earlier Positive Psychology Center)	Dr Pooja V. Anand	Positive conversations 2.0: Igniting the H.E.R.O. within	Captain Satendra Sangwan, Deputy General Manager, Human Resources Department, ONGC, Vasant Kunj, Delhi.	20	03	75	10	15-09-2021
Department of Music	Dr Deepti Bansal	Rag Aur Ritu Sambandh (Webinar)	Dr Neeta Mathur, Associate Professor, Music Department, Vivekanand Mahila College, Delhi. Prof. Lawanya Kirti Singh, Former Head, Department of Music and Dramatics, Lalit Narayan Mithila University, Darbhanga -Bihar.	-	4	19	23	23-09-2021
Department of Zoology, Daulat Ram College in collaboration with Mahatma Hansraj Faculty Development Centre under PMMNMTT Scheme	Dr Anju Jain, Dr Meenakshi Thakur (Convenors) Dr Jyotsana Singh (Coordinator)	Wildlife Conservation and Management (FDP)	Mr. Saket Badola, Head, TRAFFIC- India Programme at WWF Ms. Renu Singh, IFS Dr M. Ojit Kumar Singh, University of Delhi Mr. Kaushik Sarkar, National Conservation Foundation, Bengaluru Mr. Indraneel ulkarni, Research scholar Mr. Ramesh Krishnamurthy, Wildlife Institute of India Dr Narayan Sharma, Cotton University, Guwahati Mr. Nishant Mandhotra, IFS Ms Urvi upta, Project Biologist Mr. Abhilash Damodaran, IFS Mr. Prabhu P.M, Divisional Forest Officer	14	63	-	-	04-10-2021 to 09-10-2021

20109880 Somya Chhabra is presenting

**PSYCHOLOGY RESOURCE CENTRE
DEPARTMENT OF PSYCHOLOGY
DAULAT RAM COLLEGE**

Welcomes you to

**QUALITATIVE ANALYSIS -
SIMPLE STEPS TO UNDERSTAND HUMAN BEHAVIOUR**

**SPEAKER -
Prof. Anand Prakash**
(Dept. Of Psychology, University of Delhi)

Rajni Sahni

Meenakshi

19014528009 ANAGHA

Sarwar DRC

Anand prakash

19014528033 ISHITA GUP...

79 others

You

3:19 PM | crjkkzptah

Organizing Department	Convener	Topic	Resource Person/s	No. of Faculty Participated		No. of Students Participated		Date
				Inside College	Outside College	Inside College	Outside College	
Psychology Resource Centre	Dr Rajni Sahni/ Dr Meetu Khosla -Mental Health Centre	Health ,wellbeing and productivity,Capacity building program	Dr Sarita Nanda Dr Renu Kishore Dr Meetu Khosla Dr Rajni Sahni Dr Pooja V Anand Dr Deepesh Rathore Ms Himsha Joycel Dr Kshitija Wasan Dr Kavita Sharma	25 non teaching faculty participated				13-20 th Decemb or 2021
Psychology Resource Centre	Dr Meetu Khosla/Dr Kshitija Wasan Value Education Centre	Values for Flourishing: 7 th Value Engagement Program	Dr Meetu Khosla Dr Rajni Sahni Dr Kshitija Wasan	3		70		1 Decemb er 2021to 3Febru ary 2022
Psychology Resource Centre	Dr Meetu Khosla/ Ms Himsha Joycel Value Education Centre & Mental Health Centre	II Awareness De-sensitization and Seeking help campaign II: Promoting, Enhancing and maintaining mental health awareness program	Dr Meetu Khosla 6 students of Psychology department	3		100		3 rd Febru ar y to 10 th Febru ar y 2022
Psychology Resource Centre	Dr Rajni Sahni/Dr Meetu Khosla Mental health Centre	World Mental health day celebration 'Mental Health in an Unequal World	Prof Anita Ghat Dr Lokesh Kumar Gupta	20		200		7 th October 2021
Psychology Resource centre	Dr Suparna Jain Thakur Capacity Building centre	Qualitative analysis: Simple steps to understand human behavior	Dr. Suparna Jain Thakur Dr. Deepesh Rathore	30		100		17 th Septem ber 2021
Psychology Resource centre	Dr Suparna Jain Thakur Capacity Building centre	SPSS and publishing research work	Dr. Suparna Jain Thakur Dr. Deepesh Rathore			81		10 th - 19 th July 2021
Psychology (Centre for Well-being and Flourishing, earlier Positive Psychology Center)	Dr Pooja V. Anand	Positive conversations 2.0: Igniting the H.E.R.O. within	Captain Satendra Sangwan	20	02	75	10	15 th Septem ber, 2021

PSYCHOLOGY RESOURCE CENTRE

Convenor: Dr Meetu Khosla

The Psychology Resource Centre (PRC) addresses the psycho-social needs of the students, teachers and non-teaching staff. It enables them to be aware of and effectively manage everyday life issues and stress which include self-growth and development, handling stress and emotions, relationship issues, academic pressures, constant worry and anxiety. With changing times, human life has become increasingly stressful making it imperative for us to be aware and develop a psychological understanding of themselves and their surroundings. This is achieved by PRC through counseling services, Faculty Development Programs, functions and events that address the mental health and well-being of all stakeholders. The PRC includes: Mental Health Center, Value Education Center, Positive Psychology Centre and Capacity Building Centre .

The Psychology Resource centre organised various activities in the year 2021-2022. The Details of the program schedule is given below.

Workshop **on SPSS and Publishing research work** was organized by the Capacity Building Centre from 16th to 19th July 2021 by Dr Suparna Jain Thakur and Dr Deepesh Rathore. There were workshops on basic SPSS, Advanced SPSS and publishing in research journals. 41 students of psychology Hons 3rd year participated in the program.

A Talk was Organised by Psychology Resource Centre on **“Qualitative Analysis: Simple Steps to understand Human Behaviour”** on 17th September, 2021 by Professor Anand Prakash, Psychology Department, University of Delhi for the students and Faculty of Daulat Ram college. The Talk was very much appreciated and attended by more than 100 participants. The session was followed by active discussion and questions answer session. It was a very informative talk for all those interested in pursuing qualitative research in projects, practicals etc.

The Psychology resource centre organized Capacity building program on **“Health, Wellbeing and Productivity”** that was envisioned to provide training about life skills to the non-teaching members of Daulat Ram College. The program covered a wide range of topics which focused around the notion of health and wellbeing, how it could be enhanced, along with discussing the relevance of naturopathy in health and wellbeing. Various interactive workshops were organized highlighting the need to develop compassion, resilience and managing stress through relaxation techniques. Further, deliberations were made on exploring happiness and regulating emotions to promote wellbeing. There were various sessions on managing time, effective communication skills, and how to make work more meaningful while increasing productivity. A total of 12 sessions were organized from 13th to 20th December 2021 spanning over 40 hours. The program was conceived to encourage the staff members explore their potentials and develop skills to enhance their psychological, social, emotional and organizational capacities.

On 15th September 2021, the Centre for Well-Being and Flourishing under IQAC, Daulat Ram College, organized the event, **‘Positive Conversations 2.0: Igniting the H.E.R.O within’**. Dr Pooja V Anand as the Convenor. Moving our attention from what is wrong with the world to what makes it strong is the focus of the series and the discussion that took place revolved around developing various

The session was ended with a vote of thanks by the association in-charge. The students thoroughly enjoyed such a wonderful and informative session by Ms. Ekta Chopra .

As the world of psychology expands and gains respect across the world, it is critical to inform young minds about its many branches. Our department has scheduled a lecture on "Military Psychology" on November 8th, 2021. DrHarshitta an outstanding DIPR (Defence Institute of Psychological Research) employee, delivered the keynote address. She discussed DIPR's history and commented on the selection and training programs available, such as cognitive process-based selection, personality-based selection, leadership development, and personality development. She shared her knowledge of the personnel selection process, which included numerous examinations such as the selection procedure for officers, the selection of women as officers, and so on. The numerous stress management training offered to staff, as well as various programs such as harsh environmental adaptability and self-development programs, were also emphasized. She discussed organizational behavior and behavioural training that is offered to officers, such as soft skills training for government workers, counseling training for service officers, and so on. Students learned about numerous DIPR national (IIT Delhi, Kanpur, University of Delhi) and worldwide partnerships (UK, USA, Singapore, Kyrgyzstan), as well as academic collaborations with major psychological organizations such as NAOP, IAAP, and others. The computerized testing system, cognitive evaluations, and other research methodologies used by the department were discussed. DrHarshitta went on to discuss the possibilities of working at DIPR and the expansion of military psychology, as well as the opportunities available at DIPR such as research fellows, scientists, technical assistants, and so on, as well as the credentials required for the same. It was indeed an insightful session, with over 70 students participating, and with a Q&A round, students were able to clear their questions.

To help budding researchers get well versed with using softwares for analysing data, the Psychology Association conducted a workshop on "SPSS: Statistical Software" on 29th January 2022. Dr Deepesh Rathore, an esteemed faculty member, was the speaker for the day, and walked students through the importance of the software in the field of research. He proceeded to explain the basics of the software, including how to view, edit and analyse data. He also covered other topics of significance, including data view, variable views, and errors while entering data, running descriptive statistics, split file and select cases, among others. He even elaborated on how to present the data graphically. Dr Rathore explained the working of the software to the attendees, and cleared any queries that were posed. The event drew to a close with the Association members expressing their gratitude towards Dr Rathore for his time and efforts. The workshop, which was attended by several volunteers, was a successful session that helped strengthen the foundation of data analysis in the students. The Association received a highly encouraging response from the attendees, motivating us to organise similar events in the future as well.

The Freshers ceremony for the Batch of 2023 was conducted on the 12th of February, 2022. The event was themed "Grammys much?" where students had to dress up as their favourite music artist. The event was hosted by the President, Vice President and the Editor in Chief of the psychology association. The event started with a prayer by students and the welcome speeches by all the faculty

9. WORKSHOP ON “HOW TO MAKE A BUSINESS PLAN”

The Entrepreneurship Cell organized a workshop with Mr. Priyank Ahuja on the topic “How to make a Business Plan” on 22nd January, 2021. Mr. Priyank is an alumnus of ISB Hyderabad currently associated with Accenture as Product

Manager and Consultant with more than thirteen years of experience in the field of IT, Retail, E-Commerce and Education. The objective of the workshop is to give our students an insight into the world of business strategy development and educate them on various aspects of running a profitable business.

The Entrepreneurship Cell
Daulat Ram College
(Convened by Economics Department)
presents a
WORKSHOP
on
How to make a Business Plan?

Mr. Priyank Ahuja
Product Manager at Accenture
Alumni - ISB & NUS

DATE 22nd January 2021
TIME 4:30- 5:30 pm
VENUE Google Meet

Registration Link:
<https://forms.gle/kwbGYppSeoQMzhqJA>
E- certificates will be provided to all!

For Queries Contact:
Harshita Sarup- +91 97116 94434 Parnika Singh - +91 96677 22984

MATHS AND ECONOMICS DEPARTMENT

Names of the Collaborating Departments: Mathematics and Economics

Title of the Course: In House-Skill Development Program On R-Language

Sub-theme: Learning Abilities

Course Coordinators: Dr. Vikas Dhaka, Assistant Professor, Department of Mathematics,
Mr. Ashok Kumar, Assistant Professor, Department of Economics

Course Co- Coordinators: Dr. Jyoti Sharma, Assistant Professor, Department of Mathematics,

Duration with dates:

Sr. no	Date	Time	Module/topic title	Name of the Speaker	Affiliation of the Speaker
1.	21 December, 2021	9:30- 2:00	Introduction to Statistical Software R, R-Studio and constructing data objects in R	Dr. Poonam Lakhotia Dr. Jyoti Sharma	Assistant Professor, Department of Mathematics DRC
2.	22 December, 2021	9:30- 2:00	Working with data objects, Descriptive Statistics and Tabulation	Dr. Neha Bhatia Ms. Rekha Meena	Assistant Professor, Department of Mathematics DRC
3.	23 December, 2021	9:30- 2:00	Graphical Analysis, Distribution of data and Basic Stock Market analysis using correlation and Linear regression.	Dr. Vikas Dhaka Dr. Monu Kumar	Assistant Professor, Department of Mathematics DRC
4.	24 December, 2021	9:30- 2:00	Data Manipulation and Visualization (using dplyr and ggplotz packages)	Dr. G. S. Tuteja	Professor, Department of Mathematics Zakir Hussain College,

5.	27 December, 2021	9:30- 2:00	Descriptive Statistics and applications of R in Economics.	Mr. Ashok Kumar, Mr. Nitish Kashyap	Assistant Professor, Department of Economics DRC
6.	28 December, 2021	9:30- 12:30	Hypothesis Testing and Anova applications using R	Dr. Satish Verma	Associate Professor Department of Mathematics SGTB Khalsa College,

Details of the course

1) Description of the course: R is a computer language used for statistical computations, data analysis and graphical representation of data. It is an open-source programming language, freely available and can be operated easily. In today's time each and every sector be it finance or banking or E-Commerce or Health care, all are using R for better and effective functioning. Even Social Media platforms like Facebook, Twitter etc. use R to influence their target audience and to predict colleague interaction. By looking at the present-day requirements, the course was designed so that students will get the opportunity to enhance their skills. Every day we had practical demonstration by the resource persons followed by a hands-on session for students. The main focus was on the practical applications and hands on.

2) Objectives:

The main objective of this program is to create a better understanding of R language to students. It will further help them in their higher studies, and professional fields. They will be more comfortable and friendly with data and can work in a more scientific way meeting the present world demands

3) Topics covered:

- A. Introduction to Statistical Software R, R-Studio and constructing data objects in R
- B. Working with data objects, Descriptive Statistics and Tabulation
- C. Graphical Analysis, Distribution of data and Basic Stock Market analysis
- D. Data Manipulation and Visualization (using dplyr and ggplotz packages)

E. E. Descriptive Statistics and applications of R in Economics.

F. F. Hypothesis Testing and ANOVA applications using R.

Speakers in the course:

Sr. no.	Name	Designation	Department/Affiliation
1	Dr. G. S. Tuteja	Professor	Department of Mathematics, Zakir Hussain College
2	Dr. Satish Verma	Associate Professor	Department of Mathematics, SGTB Khalsa College
3	Dr. Poonam Lakhotia	Assistant Professor	Department of Mathematics, DRC
4	Dr. Vikas Dhaka	Assistant Professor	Department of Mathematics, DRC
5	Dr. Neha Bhatia	Assistant Professor	Department of Mathematics, DRC
6	Dr. Monu Kumar	Assistant Professor	Department of Mathematics, DRC
7	Dr. Jyoti Sharma	Assistant Professor	Department of Mathematics, DRC
8	Ms. Rekha Meena	Assistant Professor	Department of Mathematics, DRC
9	Mr. Nitish Kashyap	Assistant Professor	Department of Economics, DRC
10	Mr. Ashok Kumar	Assistant Professor	Department of Economics, DRC

Number and Profile of Participants:

No. of Students	Department	Year
8	Psychology	Third year
7	Mathematics	Third year
7	Economics	Third year
4	Biochemistry	Third year

Methods of Assessment of Participants: (Test/Assignment/Project/Quiz/Presentation etc.) (Kindly provide a copy of the pre-imposed measures/instruments/scales/questionnaires used for assessment of the learning outcomes):

1. Assessment in the form of MCQ and the Worksheet

Attached a pdf file named **Assessment-SDP_ON_R**

Detailed Learning Outcomes of the Course:

1. Students will be comfortable with basic data analysis and can make estimates and forecasts based on data available.

2. They can plot their data and visualize it in a more comfortable way.

3. They can do the extraction and mining of big data and can manipulate them.

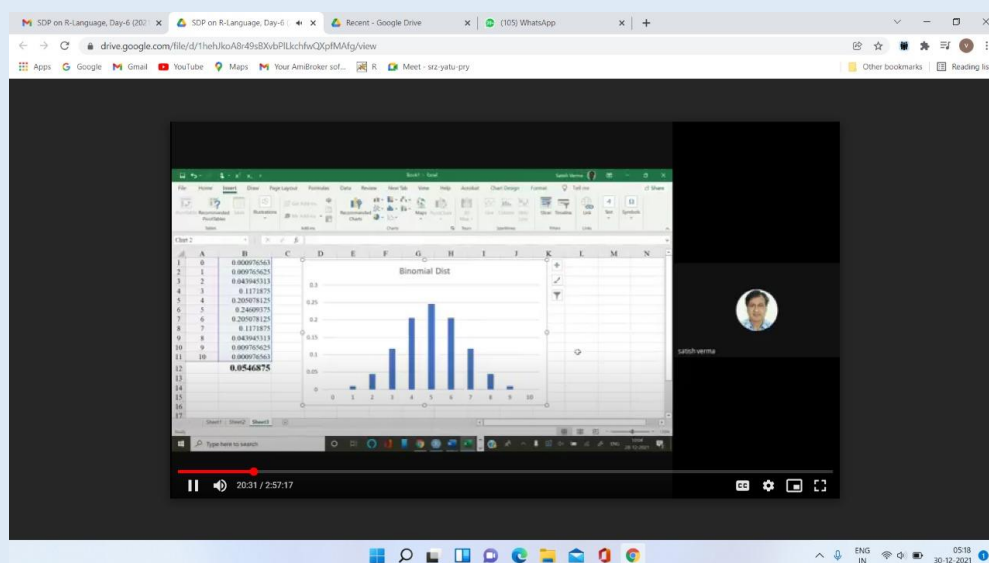
4. They are comfortable with hypothesis testing, fitting of curve of data and future prediction based on the forehand data.

5. They also got a glimpse of Analysis of variance (ANOVA) applications using R.

Feedback from Participants Regarding the Program:

Attached a pdf file named **FEEDBACK_E-SDP_ON_R**

A Few Photographs (student activity-oriented photographs only/activity photos):



Invitation as Guest Speaker for SDP on R-Language - Day-6

meet.google.com/mbz-ckoc-nzm?authuser=1

REC satish verma is presenting

ANOVA recurs test for R - Word

Multivariate analysis of variance (MANOVA) is simply an ANOVA (Analysis of variance) with several dependent variables. It is a continuation of the ANOVA. In an ANOVA, we test for statistical differences on one continuous dependent variable by an independent grouping variable. The MANOVA continues this analysis by taking multiple continuous dependent variables and bundles them collectively into a weighted linear composite variable. The MANOVA compares whether or not the newly created combination varies by the different levels, or groups, of the independent variable. One can perform this MANOVA test in very easily. For example, let's conduct an experiment where we give two treatments to two groups of rats, and we are taken the weight and height of rats. In that case, the weight and height of rats are two dependent variables, and the hypothesis is that both collectively are affected by the difference in treatment. A multivariate analysis of variance could be used to test this hypothesis.

Interpretation of MANOVA
If the global multivariate test is important then assume that the corresponding effect is important. In this case, the subsequent issue is to decide if the treatment

11:24 AM | SDP on R-Language, Day-6

satish verma, Dr. Jyoti Sharma, Dr. Sarita Nanda, 19014510032 KAN..., Seema Khurana, 19014528028 PRAT..., 32 others, You

ENG IN 11:24 28-12-2021

SDP on R-Language, Day2 (2021-12-21 at 20:06 GMT+8)

```

RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Source on Live Run
33 data1<6
34 #Manipulating Matrix and Data Frames
35
36 mat1=matrix(1:50,byrow=T,nrow=5)
37
38 mat1[c(1,3,5),]
39
R Console
> mat1=matrix(1:50,byrow=T,nrow=5)
> my_data=as.data.frame(mat1)
> my_data
  v1 v2 v3 v4 v5 v6 v7 v8 v9 v10
1  1  2  3  4  5  6  7  8  9  10
2 11 12 13 14 15 16 17 18 19 20
3 21 22 23 24 25 26 27 28 29 30
4 31 32 33 34 35 36 37 38 39 40
5 41 42 43 44 45 46 47 48 49 50
> row.names(my_data)=c("a", "b", "c", "d", "e")
> row.names(my_data)=c("a", "b", "c", "d", "e")-my_data1
Error: object 'my_data1' not found
>

```

Environment History Connections

Name	Type	Size	Value
data1	list	11 KB	
da...	list	1 KB	
fr...	double	3	50
ma...	matrix		int
my...	double	5	0

R: Bootstrap Functions (Originally by Angelo Canty for S)

Documentation for package 'boot' version 1.3-26



Ms. Rekha Meena

2:50:03 / 4:10:00



SDP on R-Language, Day2 (2021-12-21 at 20:06 GMT-8)

```
R412 ~ / ~  
my.frame  
sample1 sample2  
1 99 13  
2 23 67  
3 87 23  
4 24 56  
5 45 33  
> cmat=cbind(sample1,sample2)  
> cmat  
sample1 sample2  
[1,] 99 13  
[2,] 23 67  
[3,] 87 23  
[4,] 24 56  
[5,] 45 33  
> t(cmat)  
[,1] [,2] [,3] [,4] [,5]  
sample1 99 23 87 24 45  
sample2 13 67 23 56 33  
> t(my.frame)  
[,1] [,2] [,3] [,4] [,5]  
sample1 99 23 87 24 45  
sample2 13 67 23 56 33
```



Dr.Neha Bhatia

44:08 / 4:10:00

```
R412 ~ / ~  
alternative hypothesis: true difference in means is not equal to 0  
95 percent confidence interval:  
0.4163193 5.5836807  
sample estimates:  
mean of x mean of y  
23 20  
> t.test(machine1,machine2,mu=0,alternative = "two.sided")  
  
Welch Two Sample t-test  
  
data: machine1 and machine2  
t = 2.4396, df = 17.985, p-value = 0.02529  
alternative hypothesis: true difference in means is not equal to 0  
95 percent confidence interval:  
0.4163193 5.5836807  
sample estimates:  
mean of x mean of y  
23 20  
> |
```



satish verma

SDP on R-Language, Day-6 (2021-12-27 at 20:14 GMT-8)

Air Quality in New York by Day
Source: New York State Department of Conservation

Month: 5, 6, 7, 8, 9
Wind: 5, 10, 15, 20

Ozone (ppb)

Day of the month

2:26:00 / 2:57:17



Satish Verma

SDP on R-Language, Day-4 (2021-12-23 at 22:47 GMT-8)

```
40 data3=filter(Lov1acc, uate==Sys.Date()-1, Country %in% C("UNITED STATES OF AMERICA"))
41 View(data3)
42
43 ggplot(data3)+aes(Country, New_cases, size=Country)+ geom_point
44 ggplot(data3)+aes(Country, New_cases, color=Country)+ geom_point
45 ggplot(data3)+aes(Country, New_cases, shape=Country)+ geom_point
46 ggplot(data3)+aes(Country, New_cases, size=New_deaths)+ geom_point
47
48 dataIndia=filter(Covidcc, Country=="India")
49 ggplot(dataIndia)+aes(Date, New_cases, size=New_deaths)+geom_point
50 Date
51 dataIndia=mutate(dataIndia, Days=as.Date(Date)-as.Date(Date[1]))
```

Environment: Covid, data3, mutate(data2, mortality = Cumulative...
Data: Covid (170877 obs. of 8 variables), Covidbase (170877 obs. of 8 variables), Covidcc (170156 obs. of 8 variables), data1 (236 obs. of 3 variables), data2 (236 obs. of 4 variables), data3 (4 obs. of 8 variables), dataIndia (721 obs. of 8 variables)

New_cases

Date

New_deaths: 0, 2000, 4000, 6000

1:32:17 / 1:39:41



Gurpreet Singh Tuteja



BIOMANIA: 2020-21

Biochemistry Department Festival
Daulat Ram College



Presents "THE INNOVATION CHALLENGE"

Create a better future

Innovative Ideas are invited from students in the Following broad areas:

- Disease Prevention & Health Care
- Human potential development
- Resource Conservation
- Business plan and Product development
- Environment protection
- Waste utilization & value addition

Attractive Prizes to be won !!!

The Innovative idea writeup of upto* 1000 words to be submitted at www16321@gmail.com
by 15th Jan 2021

Details of the event can be found in the attached brochure

Convener
Dr. Padmeshree Mulgal
Associate Professor
Dr. Geeta Vieg
Assistant Professor

Advisor
Dr. Sarita Nanda
Teacher in- Charge
&
Vice-Principal

Organizing members
Dr. Anita Garg Manglik
Dr. Neeru Dhanija
Dr. Radhika Gupta
Dr. Anita Goel
Dr. Neeraj Dohare

Patron
Dr. Savita Roy
Principal

IBS(ICFAI BUSINESS SCHOOL



PLACEMENT CELL
DAULAT RAM COLLEGE

In collaboration with
Indian Business School

IBS
ICFAI BUSINESS SCHOOL

HOSTING A WEBINAR ON
RESEARCH METHODOLOGY

**Dr. Vipin Khurana**
Professor & Area coordinator at IBS Gurgaon

 20th AUGUST 2021 |  4:00 PM |  ZOOM

LAST DATE TO REGISTER: 19th August 2021

In case of any queries drop an email at: pcelldrqueries@gmail.com    