Feedback Report

On

Criminal Justice and Data Analysis - 3

This course was offered from May to July 2021. A questionnaire was sent via electronic mail to all the users of Criminal Justice and Data Analysis after the completion of the course. The **total of 20 responses** received are grouped into **Part A and Part B**. **Part A** summarises all the responses of each multiple choice/rating question in graphical form and **Part B** consists of the responses of all open questions.

Part - A

Course Format

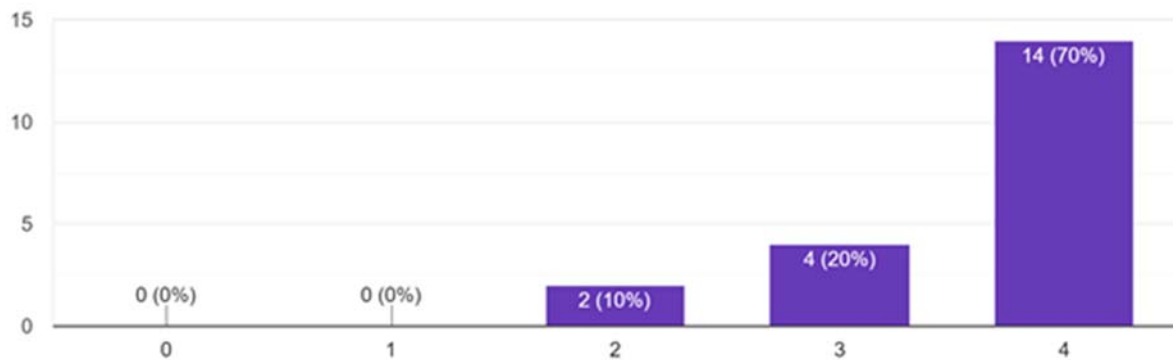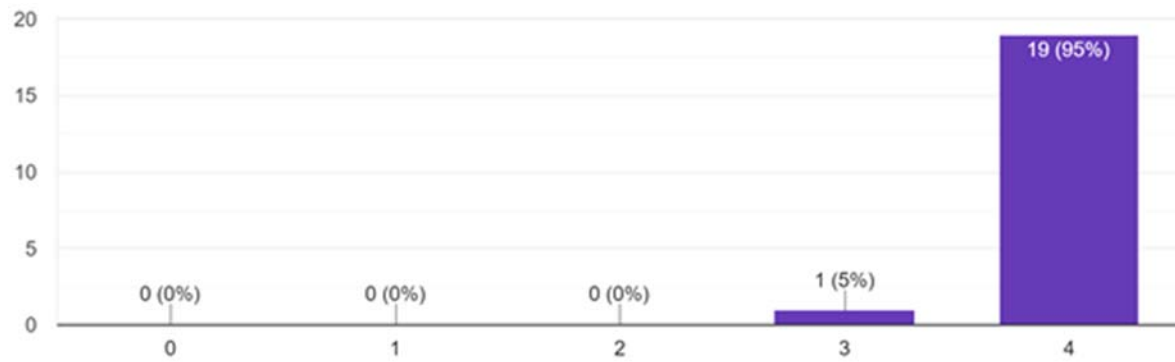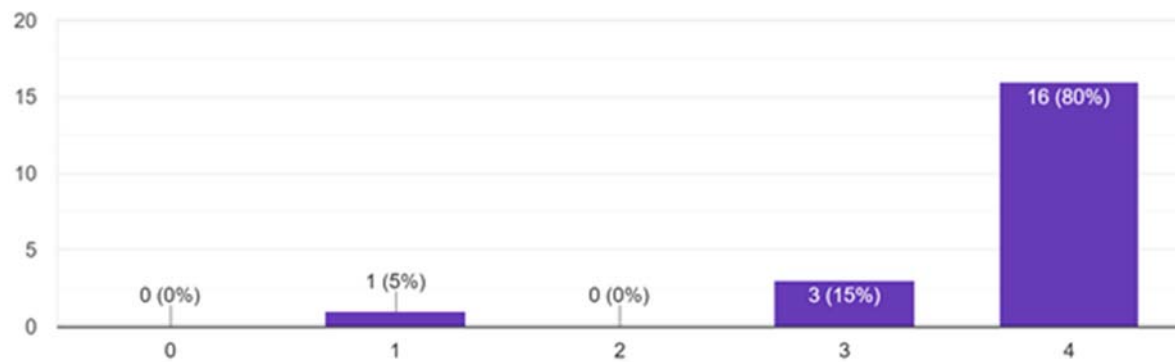The course objectives were clear to me (20 responses)
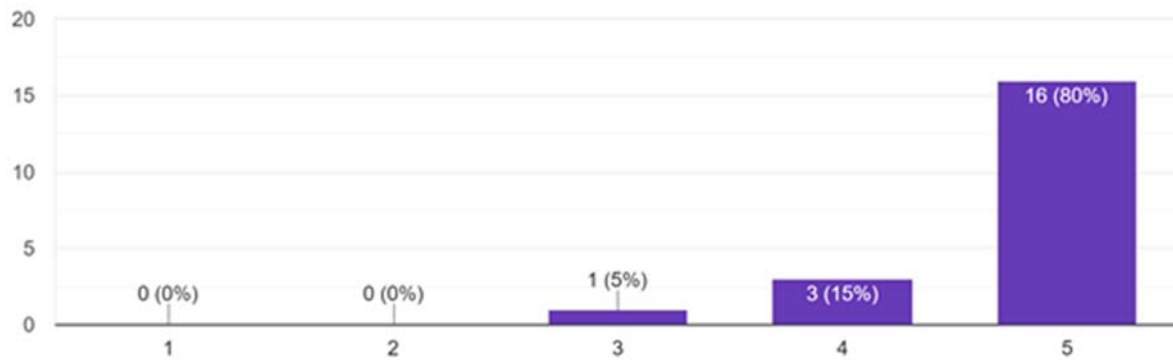
The course design was thoughtful and appropriate for a 12-week duration (20 responses)

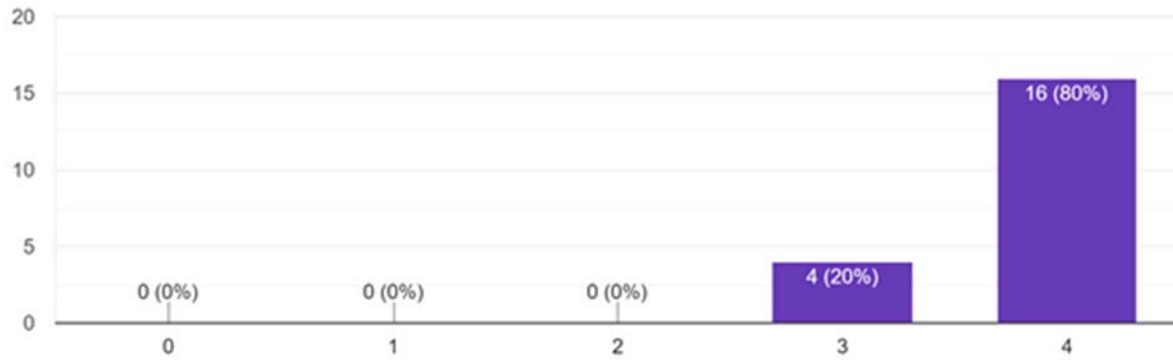The course stimulated my thinking about the topics it covered (20 responses)

The system of assignments, quizzes, and exercises was helpful in learning (20 responses)

Course Administration

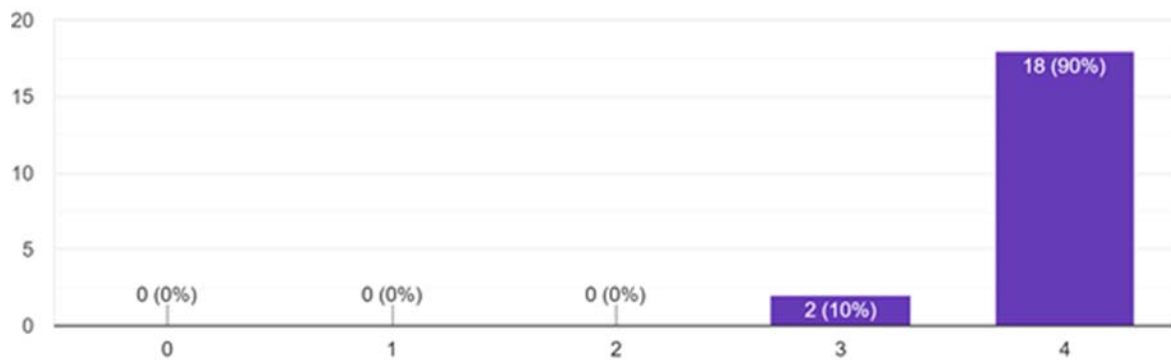The online system was easy to navigate in learning and submitting assignments

(20 responses)

The active learning classroom format was very useful in learning from one another

(20 responses)

The course administrators were easily available when needed through email/ system tools and by phone (20 responses)
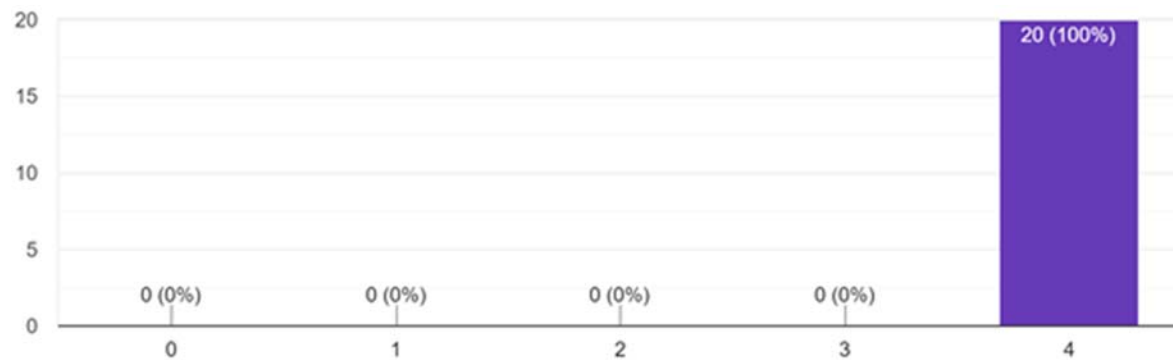
The class format was helpful in asking questions and understanding the contents

(20 responses)
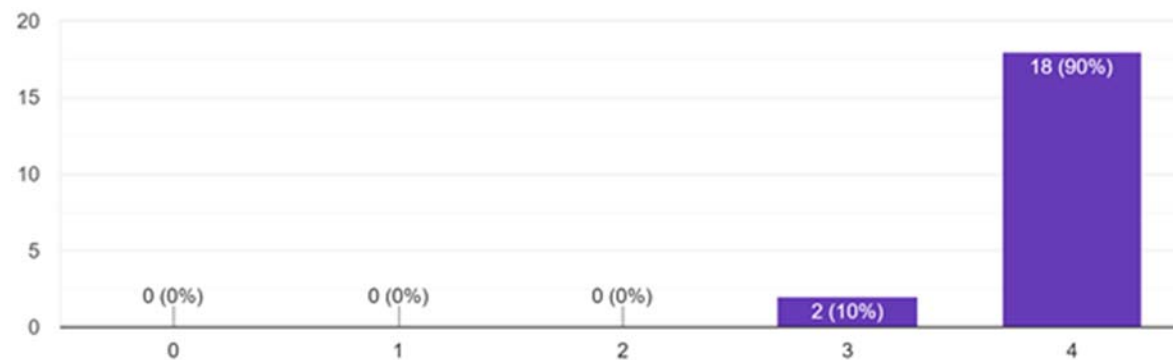
Learning From the Course

The readings and exercises were very useful in learning about criminal justice issues

(20 responses)
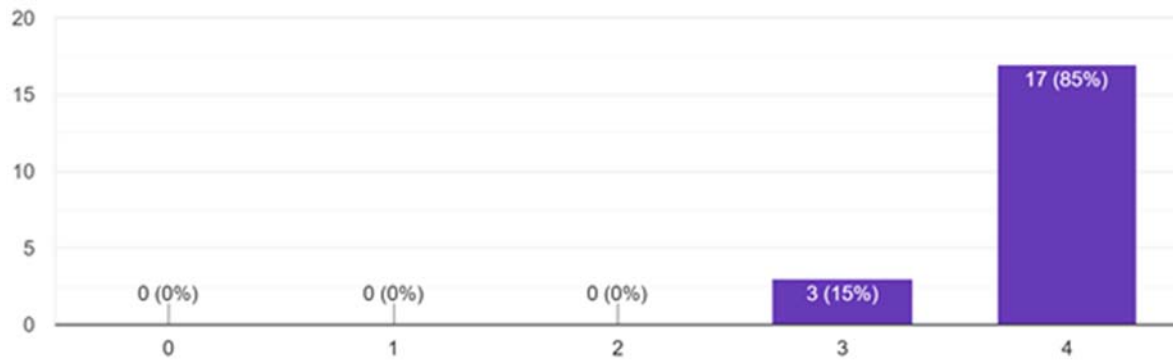
The readings helped introduce new ideas about policing and related issues

(20 responses)
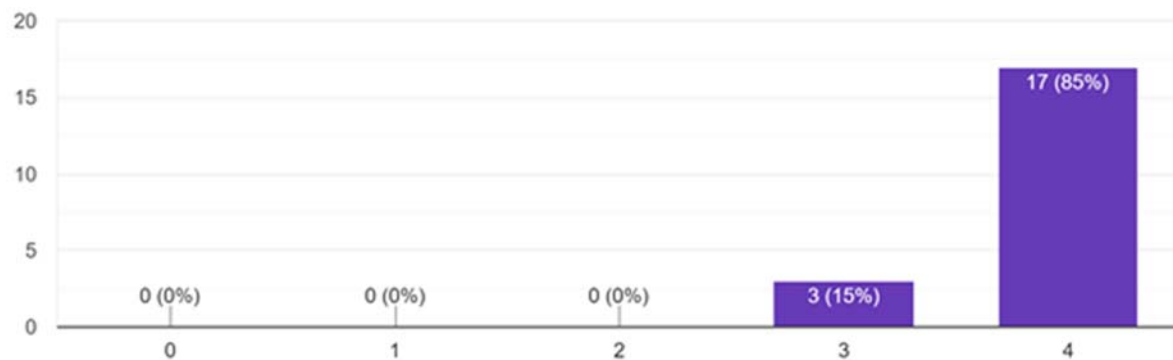
I appreciate efforts made by the instructors to think differently and broadly about Police/ CJUS/Data Issues (20 responses)
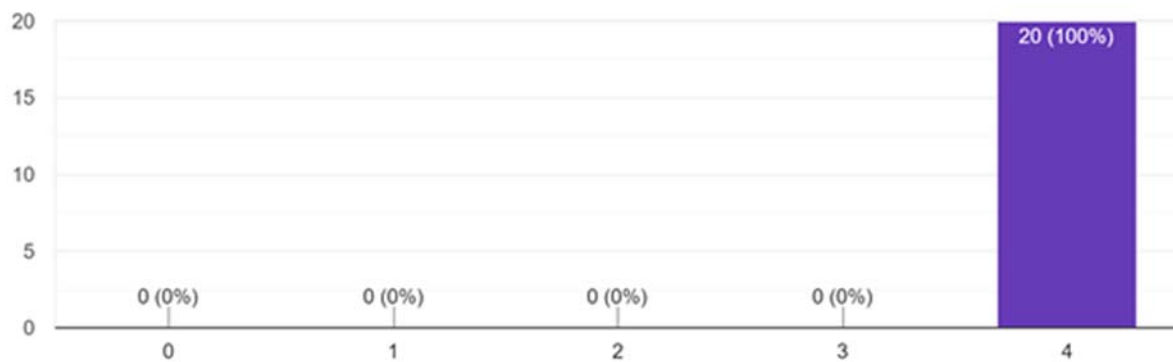
The feedback upon assignments and exercises was useful in understanding the contents of readings (20 responses)
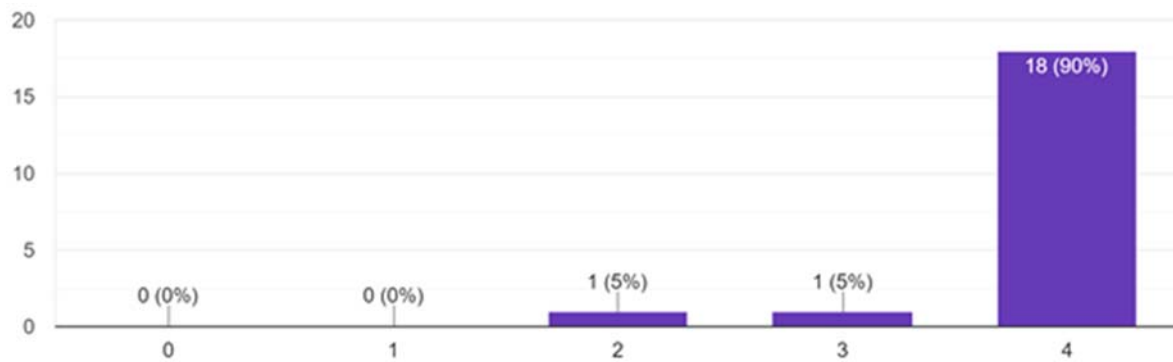
Discussions during class meetings helped in better understanding of policing issues (20 responses)
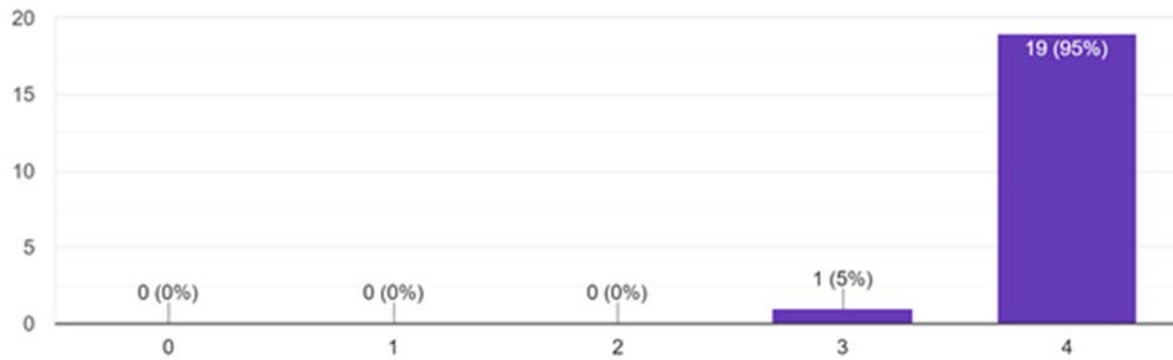
The guest lectures were very useful in learning about new topics (20 responses)
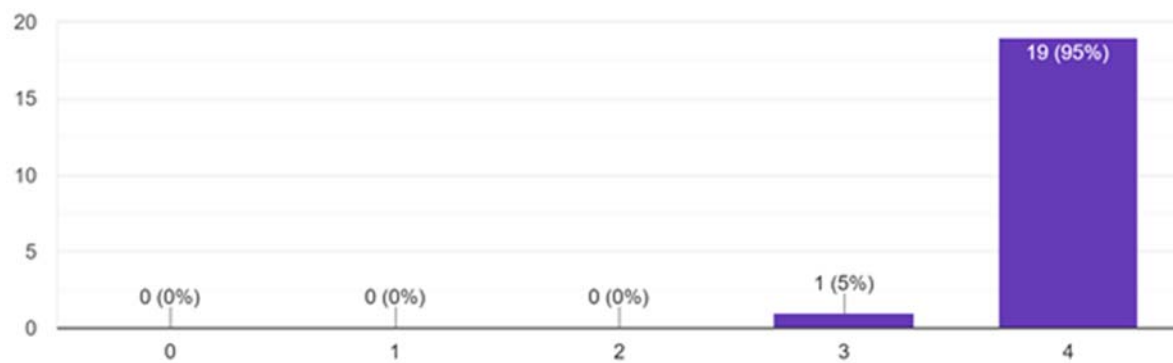
The instructors motivated me to do my best in the course (20 responses)
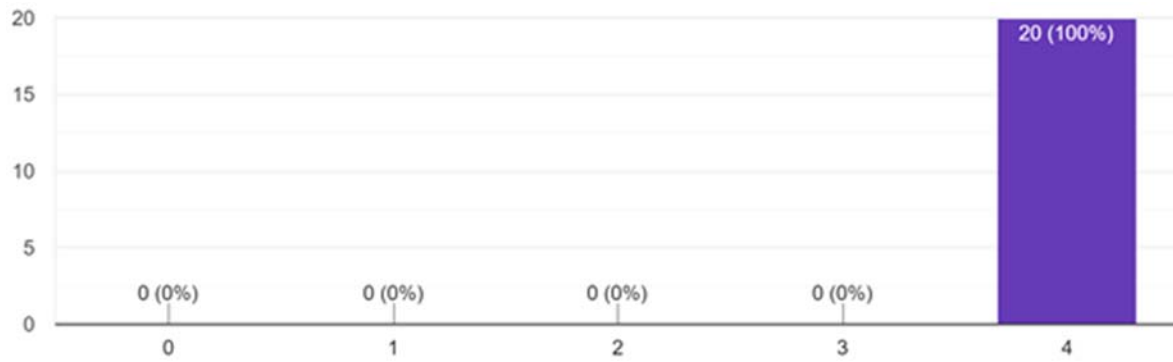
The project was helpful in applying course learning to my work (20 responses)
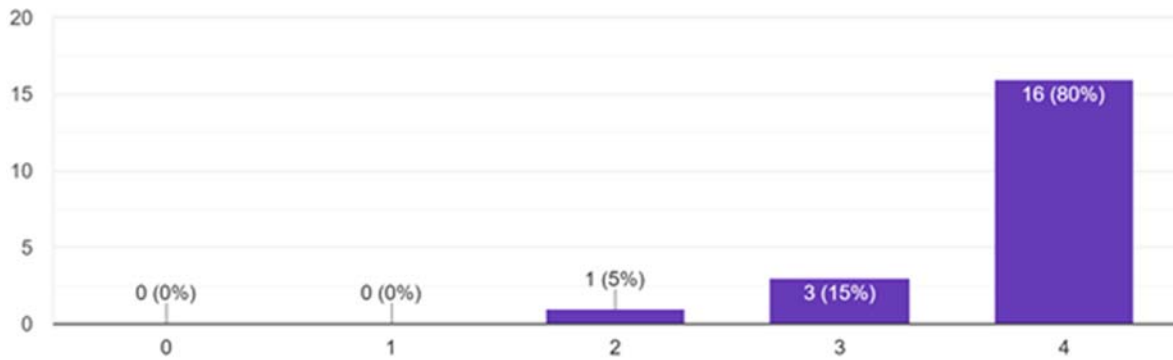
Course Outcome

I learned a lot in this course (20 responses)
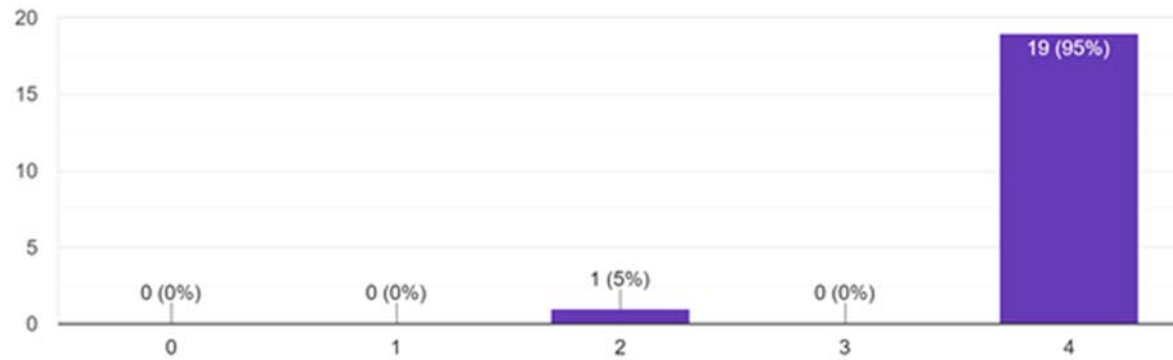
I developed the ability to apply data analytical techniques in criminal justice problems

(20 responses)
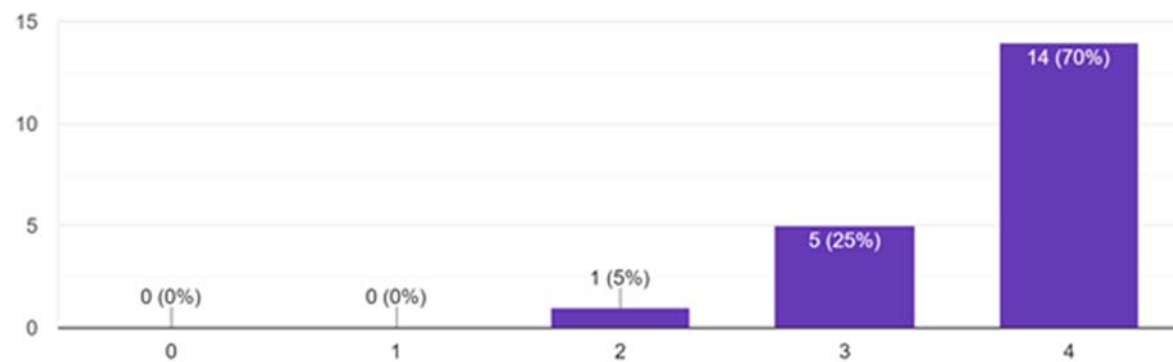
I believe the course has helped me in being creative about my work-related functions

(20 responses)
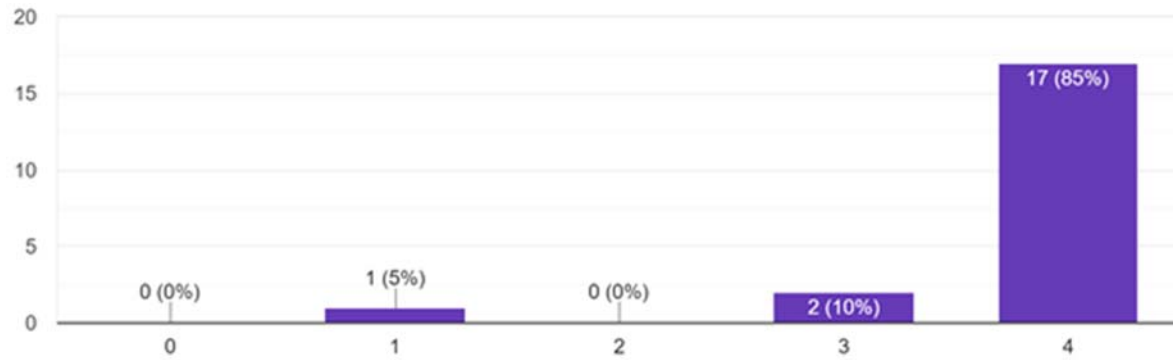
Informal class sessions helped me to develop good communication skills

(20 responses)
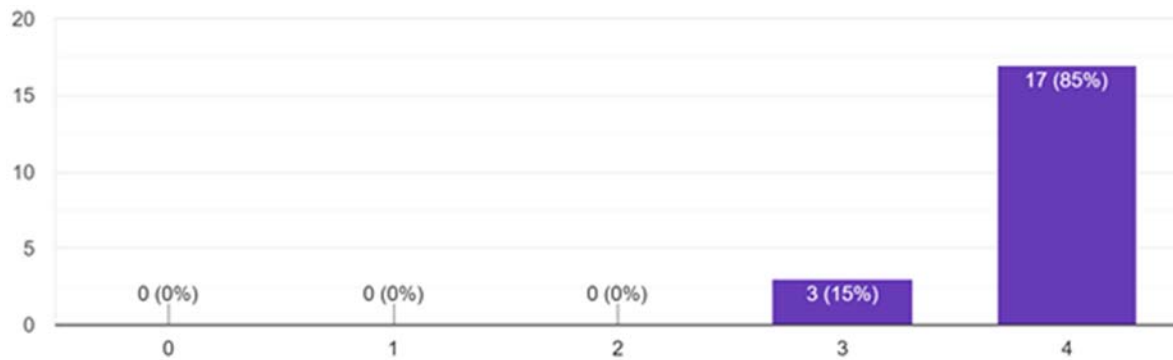
About the various Modules

Module 1
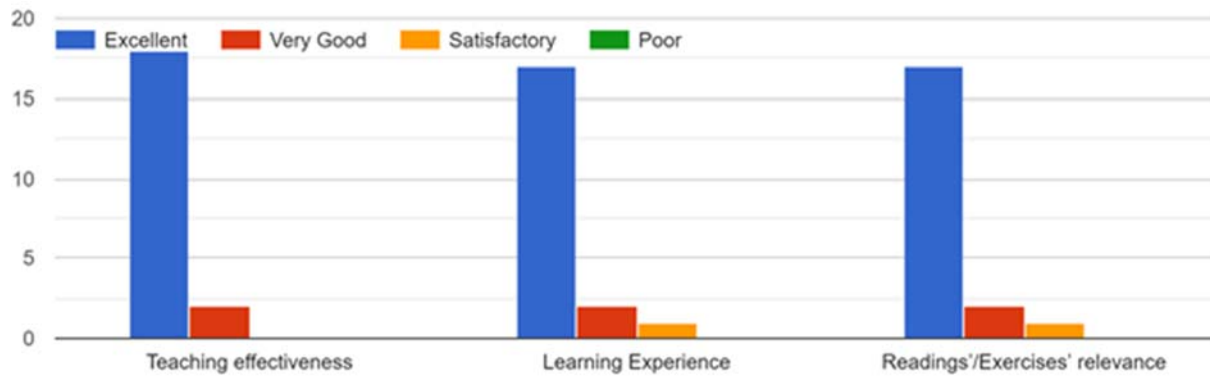
Module 2
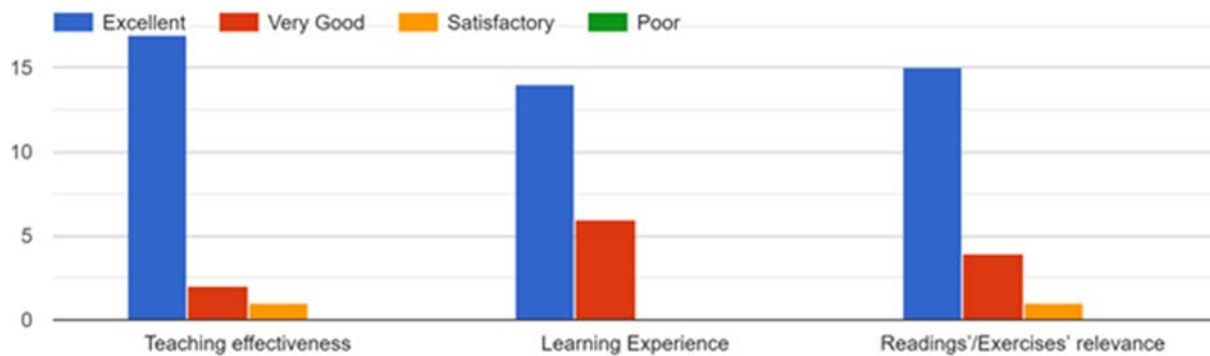
Module 3

Module 4

Module 5

Would you be interested in taking the following 4-week [8 lectures] course modules that will require some programming/mathematics/qualitative methods?
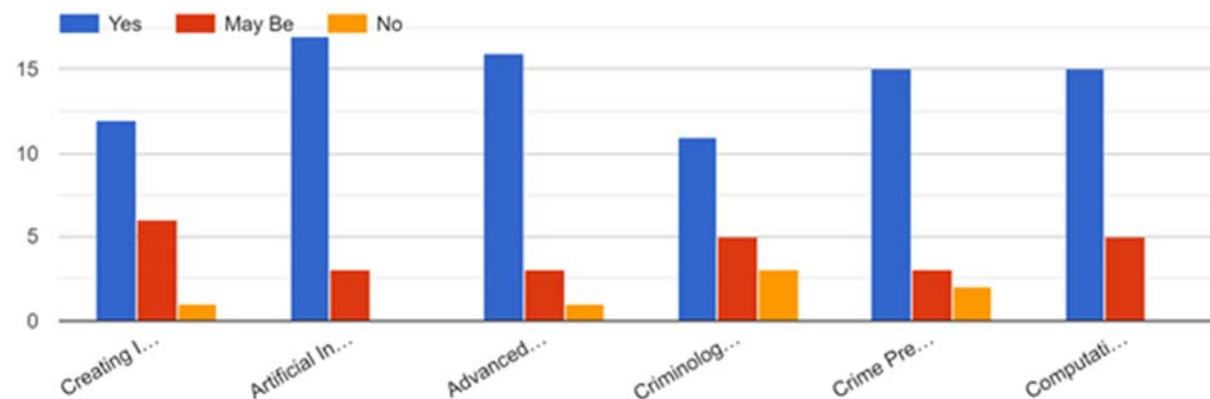
Part - B

Open-Ended Questions

Q1. What did you like most about the course? Give reasons if possible (18 responses)

- Got to learn a lot through the papers given as the resources
- Timing and hours of session
- The interactive classroom sessions, as it stimulates thinking about the topic and also doubts cleared on spot.
- The cohort was very good.
- Faculty members and content
- पाठ्यक्रम की रूपरेखा और कक्षा के दौरान सक्रिय भागीदारी पाठ्यक्रम का सबसे अच्छा हिस्सा है।
- Interactive sessions-This course has helped me develop a broad vision towards issues in policing and have an eye to look for available research materials.
- The Instructor Mr. Arvind Verma was such an inspiration to attend these classes. It was a great learning journey where he poured all his life experience to benefit all of us. It was such a breath of fresh air indeed.
- The learning environment and accessibility of teachers is the most important feature of the course. It helped in understanding the subject matter while learning from experiences of fellow participants.
- This course provides a basic broad structural overview of techniques which can be used and implemented to solve work problems and provide a perspective to problems and issues. It gives a working overview from a practitioner's perspective.
- The way it made me think out the issues , I would not have , otherwise
- Interactive format
- The variance in team and story sharing by Prof Arvind to pick up threads of criminal science
- Interaction with different police officials
- Lectures by Professor Arvind and the guest lectures, the concept of including research in the criminal justice system, and use of network analysis was the most attractive.
- Breadth of Criminal Justice topics and Guest Lectures from On-Field Experts
- Course content (A mix of experts lectures plus fundamentals focus with evolving technology adoption)

- Thought provoking topics that forced the student to find answers.

Q2. What did you like least about the course? Give reasons if possible (16 responses)

- The number of assignments were a bit exacting as job work pressure leaves very little time to complete these on time. However I tried to achieve the timelines.
- पाठ्यक्रम के मशीन लर्निंग भाग की जटिलता जिसमे अधिक सरलीकरण की आवश्यकता है।
- Some modules like ABM require more understanding on practical applications
- Nothing really. Every part was well suited to the course and gathering.
- The course is slightly compact and the number of concepts taught could be elaborated especially AI, ABM, Visualisation practicals etc.
- That it covers almost everything and gives a broad view of the subjects and how to implement them. It provides enough insights to the practitioner to know what is to be done while not burdening with much technicality as in real world situations, technical help can be sought but insights to where all these techniques can be applied have been provided by the course.
- It is compressed , too tight for working professionals
- lack of student discussions
- Longer time needs to get the concepts of machine learning and agent based modelling and it's implementation so more time may be allotted for these two modules.
- Topics like ML / Agent running could have covered basics too.

Q3. What other topics would you like to be included in such a course? (16 responses)

- The course curriculum is perfect.
- More technical Concepts or rather one technical Concept in more detail
- Financial crime
- पर्यावरण डिजाइन के माध्यम से अपराध की रोकथाम जैसे विषय।
- Best practices in india in policing
- Nothing in particular, every aspect was suited to the course. But it could further enhance the value by adding actual case studies of major states and walking through those experiences.
- Criminological theories, qualitative methods of research and elaboration on Visualisation through software or some tools hands on similar to AI/ML.
- Practical applications of neural networks and how to develop them.

- It's very nice as it is . May be more live examples of where ML, ABM are used already
- Judiciary reforms and data optimization in justice delivery vis a vis investigations
- More Policing methods / Case Studies from across the world, Cyber Crimes (Because of the emergent nature of it)
- Case study of actual case from scratch to finish in the past Vs current Vs Future.
- Successful examples of leadership in implementing modern changes.

Q4. What guest lecture topics you would like to include in such a course?
(16 responses)

- Research papers
- cyber frauds.
- More people who have utilised the course in real life scenario
- भीड़ प्रबंधन, आपदा प्रबंधन जैसे विषय।
- Guest lectures by other stakeholders in criminal justice system other than police
- Something on discipline and mental fitness.
- 1. Criminological theories and its impact on solving crimes.
- 2. Advanced research methods in the field of criminal data analysis
- 3. Role of technology in policing and how police organisations preparing for the New age crimes
- 4. Use of social media through data analysis for crime prevention and crime detection - text analysis, sentiment analysis, network analysis.
- 5. Community oriented policing - an example of POP - insights from successful implementation across Indian states.
- Some perspectives by judiciary on crime
- Inter career options (not sure about the phrase though)
- cyber and artificial intelligence related
- Policing in India as compared to western countries
- Someone who motivated students in getting involved in research related to policing and criminal justice etc.
- Cyber Crimes, Emerging Crimes / Threat Landscape etc.,
- Real case studies of senior Police officers who solved some major issues of the state when they headed the police system, particularly working with the rest of the system to ensure that how to make the weak system work today to best performance.
- Leadership for modernisation of police

Q5. Will you recommend this course to others? (19 responses)

- निश्चित रूप से यह एक बहुत ही समृद्ध सीखने का अनुभव है। मैंने इसकी सिफारिश अपने पेशेवर साथी से कर दी है।
- yes absolutely
- Indeed!
- Definitely

Q6. How likely is it that you will take another such course? (18 responses)

- Surely will take.
- 70%
- मैं बहुत उत्साही हूं और नई चीजें सीखने को तैयार हूं।
- very likely mostly related to rich learning experience in emerging fields.
- Highly likely
- I will and look forward to

Q7. How likely are you to utilize these techniques learned in this module 5 years from now? (16 responses)

- In my professional growth
- These techniques are game changers for working of any kind of govt department for efficiency and effectiveness
- पेशेवर स्तर पर, यह आने वाले अवसरों पर निर्भर करता है। हालाँकि, व्यक्तिगत स्तर पर प्राप्त ज्ञान का उपयोग करेंगे।
- Very likely. These techniques have wider application in every field you operate and want to get in.
- i have already started implementing some techniques
- as much as possible
- To somewhat yes

Q8. Any other suggestions/ comments? (16 responses)

- Chatting in the zoom by the participants when the lecture was underway distracted me a lot. Chatting should be disabled when the lecture is in progress.
- The course is excellent and really beneficial for policing in particular.
- @ प्रो. अरविन्द सर, पाठ्यक्रम को रोचक बनाने का बहुत अच्छा प्रयास है। निर्देशों का तरीका बहुत हीअनुकूल है। अधिक असाइनमेंट जोड़े जा सकते हैं ताकि हम क्लास लर्निंग को पुरी तरीके से लागू कर सकें।

- Arvind Verma sir has been a great guide in this course. I have got an overall idea on the available technology which can be used to improve the service delivery of the police department.
- The course is very thoughtfully designed however some of the modules required understanding by handson. Therefore some of the modules could be expanded to one more week each e.g. AI/ML, ABM, Network analysis (handson part with more complex data elements), visualisation handson. Some of the other data analysis e.g. Sentiment analysis, text analysis, etc.
- I thank myself for joining this course
- We need to get professional investigators and more advocates too in the course
- Excellent course coordinator who literally added so much value that mere presence was motivational.