



DATA ANALYSIS FOR HEALTH CARE MANAGEMENT

January 09 - 13, 2017



Executive Education
Indian Institute of Management, Ahmedabad

DATA ANALYSIS FOR HEALTH CARE MANAGEMENT

January 09 - 13, 2017

In recent years, with rapid adoption of IT in the Healthcare sector, healthcare organisations are able to capture large amounts of data. These data from variety of sources are recorded in different forms like patient medical records, patient satisfaction surveys, patient complaint registers, quality of care assessments, usage statistics of medical facilities, employee satisfaction surveys, employee training reports, purchase registers, journals and ledgers etc. Effective analysis of these large amounts of organisational data can lead to better decision making. For example, one may discover more cost effective treatment paths which can help in accurate diagnosis of ailments, deliver quicker treatments to patients, improve usage of hospital facilities, help in effective planning, ensure proper allocation of medical and non-medical resources for improving customer satisfaction, etc.

Objectives

The objective of this programme is to provide an in depth understanding of concepts and techniques useful for analysis of healthcare data for effective healthcare management.

Programme Coverage

The programme is divided into the following modules:

Decision Making with Data: In this module we discuss how effective decisions can be made through proper analysis of data. The required fundamentals of probability and statistics are covered in this module. The use of statistical software for analysis of healthcare data is discussed. The emphasis of this module is on proper interpretation of the findings of data analysis.

Data Visualisation: In this module participants learn how to effectively use the data visualisation methods for properly communicating the information obtained from analysis of healthcare data. The pitfalls of inappropriate choice of data visualisation techniques will also be discussed.

Financial Data Analysis: In this module the participants learn the tenets of cost accounting which will help them in accurate ascertainment of cost of various services, departments, products etc. which can then be used for accurate pricing, cost control and cost reduction etc.

Data Analysis for Quality Improvement: In this module the participants learn how to improve the quality of their organisation's healthcare services through proper data analysis. Simple data-based quality improvement techniques and the Six-Sigma methodology will be discussed.

Health Management Information Systems: In this module the participants learn about the role of Health Management Information Systems (HMIS) for managing and administering various types of healthcare services. Concept of performance indicators to assess the effectiveness and efficiency of service delivery, identification and measurement of performance



indicators, HMIS implementation issues etc. would be among the topics to be discussed.

Advanced Topics: In addition, participants will learn how to prioritise investments in the healthcare sector. Issues related to measurement of the economic impact of a healthcare initiative will be discussed. The role of 'Design Thinking' in this context will be explored.

Target Audience

This programme is intended for senior managers/administrators in the healthcare sector who require an in-depth understanding of data analytic concepts and techniques that are needed for better decision making.

Programme Faculty

- Deasi, Naman
- Guha, Apratim
- Laha, Arnab Kumar (Faculty Chair)
E-mail: arnab@iima.ac.in
- Parmar, Ashis Jalote
- Pingali, Viswanath
- Ramani, K.V.
- Ranganathan, Kavitha
- Sriram, Karthik

Nominations and Inquiries

Nominations should reach the Officer - Executive Education latest by **December 26, 2016** and last date for early bird discount is **December 19, 2016**.

Organisational sponsorship is generally required, but can be waived in case the participant is likely to gain significantly from the programme for personal improvement or greater job effectiveness.

All nominations are subject to review and approval by the programme faculty (usually after the due date for receiving nominations). A formal acceptance letter will be sent to selected nominees accordingly. Nominees are requested to make their travel plans only after receiving the acceptance letter.

For nomination forms and more information, please contact:

Officer - Executive Education

Indian Institute of Management, Ahmedabad
Vastrapur, Ahmedabad 380 015.
Phone: +91-79-6632 4472 to 77 and 4461 to 69
Fax: +91-79-2630 0352 (ExEd)/ 2630 6896 (General)
E-mail: exed@iima.ac.in
Website: www.iima.ac.in/exed

Venue and Accommodation

The programme will be held at the Indian Institute of Management, Ahmedabad. Participants would get a full board and air-conditioned single room accommodation on the Institute campus.

IIMA norms do not allow participants to have guests stay with them during the programme.

Programme Fee and Payment

INR 1,20,000 (+15% Service Tax) per person for participants from India and its equivalent in US Dollars for participants from other countries. The fee includes tuition fees, programme materials, boarding and lodging.

The programme fee should be received by the Executive Education Office latest by **December 26, 2016**. In case of cancellations, the fee will be refunded only if a request is received at least 15 days prior to the start of the programme. If a nomination is not accepted, the fee will be refunded to the person/ organisation concerned.



The programme fee can be paid in one of these three ways:

[A] Electronic Fund Transfer:

1. Name of Beneficiary:
Indian Institute of Management, Ahmedabad
2. Savings Bank A/c No. 9369EEP, YES Bank Limited, C. G. Road Branch, Ahmedabad
(IFSC: YESB0000007, SWIFT Code: YESBINBB)
3. Name of Remitter: _____ (Please mention the name of the sponsoring organisation)
4. Purpose of Remittance: **Data Analysis for Healthcare Management**
5. IIMA Permanent Account Number (PAN):
AAATI1247F
6. IIMA Tax Deduction Account Number (TAN):
AHMI00189A
7. IIMA Service Tax Registration Number:
AAATI1247FST001

After making the payment, please e-mail us the complete transaction details immediately so that we can link your remittance with your nomination.

[B] Payment Gateway

Please visit the IIMA website
(www.iima.ac.in/exed) for more information.

[C] Demand draft/ cheque payable at par at Ahmedabad

The cheque/ draft should be in favour of "**Indian Institute of Management, Ahmedabad**" and sent directly to Executive Education Office through courier or speed post.

Discount

Early Bird Discount: Nominations received with payments on or before **December 19, 2016** will be entitled to an early bird discount of 7%. Early submission of fee and nomination does not however guarantee acceptance of the application.

Group Discount: Any organisation sponsoring four or more participants will be entitled to a discount of 7% on the total fee payable provided that at least four participants actually attend the programme. Organisations can avail themselves of both the discounts subject to a maximum overall discount of 10%.

Any organisation sponsoring 25 or more participants across all the programmes in one academic year will be entitled to an overall discount of 15% on the programme fee payable.

The above discounts will be applicable only when the requisite numbers of participants actually attend the programmes.

Alumni Association

Participants who are attending short-duration Executive Education Programmes for the first time on or after April 1, 2012, will have to attend for a total of 21 days in one or more programmes in order to be eligible for alumni status and the alumni identity card, both of which will be awarded on the payment of a one-time alumni fee of INR 10,000.

Indian Institute of Management, Ahmedabad (IIMA)

IIMA was set up by the Government of India in collaboration with the Government of Gujarat and Indian industry as an autonomous institution in 1961. The Institute provides education, training, consulting and research facilities in management.

Major Programmes Offered by IIMA

- Two-Year Post-Graduate Programme in Management (equivalent to MBA)
- Two-Year Post-Graduate Programme in Food and Agribusiness Management (equivalent to MBA)
- Fellow Programme in Management (equivalent to Ph.D.)
- One-year Post-Graduate Programme in Management for Executives
- Executive Education Programmes (EEP) for industry, business, agricultural and rural sectors, and public systems covering education, health, transport and population
- Faculty Development Programme for teachers in universities and colleges

The Institute has about 97 faculty members working in the following management areas and sectors:

Disciplinary Areas and Groups

- Business Policy
- Communications
- Economics
- Finance and Accounting
- Information Systems
- Marketing
- Organisational Behaviour
- Human Resource Management
- Production and Quantitative Methods
- Public Systems Group

Interdisciplinary Centres

- Centre for Innovation, Incubation and Entrepreneurship
- Centre for Infrastructure Policy and Regulation
- Centre for Management in Agriculture
- Centre for Management of Health Services
- Centre for Retailing
- Gender Resource Centre
- IIMA-Idea Telecom Centre of Excellence
- India Gold Policy Centre
- Insurance Research Centre
- Ravi J. Matthai Centre for Educational Innovation



Kasturbhai Lalbhai Management Development Centre (KLMDC) located on the IIMA main campus and the **International Management Development Centre (IMDC)** located on the new campus, provide an academic and learning environment for participants of the Executive Education Programmes. All rooms at KLMDC and IMDC are air-conditioned and have internet connectivity. They have separate dining halls, a reading lounge, classrooms and auditorium (with audio-visual and computer projection facilities), syndicate rooms and computer lab. The campus is Wi-Fi enabled. Recreation facilities exist for indoor and outdoor games (badminton, basketball, billiards, carrom, chess, cricket, football, squash, TT and volleyball). Participants can also take advantage of the Institute's library.



कार्यकारी शिक्षा कार्यक्रम
भारतीय प्रबंध संस्थान, अहमदाबाद

Executive Education
INDIAN INSTITUTE OF MANAGEMENT, AHMEDABAD

Vastrapur, Ahmedabad - 380 015, India

Phone: +91-79-6632 4472 to 77 and 4461 to 69

Fax: +91-79-2630 0352 (ExEd)/ 2630 6896 (General)

E-mail: exed@iima.ac.in • Website: www.iima.ac.in/exed