



**Islamic Countries Society of
Statistical Sciences
(ISOSS)**

Genesis

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INTRODUCTION

The Islamic Countries Society of Statistical Sciences (ISOSS) was established by Professor Dr. Munir Ahmad and a small group of his colleagues. It was during the First Islamic Countries Conference on Statistical Sciences (ICCS-I) being held at Lahore in August 1988 that formulation of ISOSS was announced.

The Society is the only professional body of Statisticians in the Islamic countries and it has been functioning since its inception for the promotion of statistical sciences in the Islamic countries. ISOSS is keen for developing linkages with similar professional bodies in UK and developed countries to improve the capacity of statistical and applied research in the regional countries.

ISOSS is open to all scholars interested in the development of statistics and its applications regardless of affiliation relating to regional origins, nationality, gender or religion. It particularly encourages statisticians from Islamic countries to come forward and engage in cutting-edge research and professional development

At the time of its formation ISOSS was focused on developing statistical sciences and its application in social sciences, but over the years the scope of its work has expanded to include cross disciplinary research activities from Computer Sciences, Mathematics, Economics, Management and Environment Management.

VISION

ISOSS is working towards developing knowledge links between researchers and practitioners from all over the world and in particular from Islamic countries. The purpose is to fuse all available knowledge resources for creating a better living environment for human race.

OBJECTIVES

In the light of its organizational vision ISOSS intends to develop research links between developing and the developed world for the promotion of the concept of “Research for sustainable social systems and global peace”, and endeavors to accomplish the following.

1. Develop awareness on usefulness of research for social development
2. Promote women participation in research and social activities
3. Promote standards of research and research education
4. Develop and strengthen a central information system by establishing data banks and centers of information
5. Promote the use of computer technology, robotics and artificial intelligence
6. Coordinate and unify courses in statistics at all levels of education in the country
7. Organize conferences, seminars, colloquia, workshops, short courses, and any other means of communication helpful in exchanging scientific ideas

OUR ACHIEVEMENTS

Since its establishment the Society has been regularly organizing biennial conferences in collaboration with educational institutions / universities in various countries:

1- INTERNATIONAL CONFERENCES

- ✓ The First, Fourth, Sixth, Seventh, Eighth, Eleventh, Fourteenth and Fifteenth Islamic Countries Conferences on Statistical Sciences were held in 1988, 1994, 1999, 2001, 2005, 2011, 2016 and 2019 in Pakistan.
- ✓ The Second and Ninth were held in 1990 and 2007 at Johor Bahru and Shah Alam (Malaysia) in collaboration with the Universiti Teknologi Malaysia, Johor Bahru, and Malaysian Institute of Statistics, Malaysia.
- ✓ The Third was held in 1992 at INSEA, Rabat (Morocco).
- ✓ The Fifth and Thirteen Conferences were arranged in 1996 and 2014 at Malang (Indonesia) in collaboration with the Brawijaya University, Malang, and IPB Bogor Agricultural University, Bogor, Indonesia. On this occasion, an International Workshop on “Recent Development in Applied Statistics” was held on August 21-23, 1996 at Brawijaya University, Malang, Indonesia to honour Prof. Dr. Munir Ahmad, President ISOSS for his contribution to statistical sciences.
- ✓ The Tenth Conference was held in 2009 at American University in Cairo (AUC), Cairo, Egypt.
- ✓ The Twelfth Conference was organized in 2012 at Doha (Qatar) in collaboration with Department of Mathematics, Statistics and Physics, Qatar University.

2- NATIONAL CONFERENCES

- ✓ 3rd National Conference on Statistical Sciences on May 28-29, 2007 at National University of Computer & Emerging Sciences (FAST-NU), Lahore (Pakistan).
- ✓ 4th International Conference on Statistical Sciences on May 9-11, 2008 at University of Gujrat, Gujrat (Pakistan).

- ✓ 5th International Conference on Statistical Sciences on January 23-25, 2009 at National College of Business Administration and Economics, Lahore, (Pakistan).
- ✓ 6th International Seminar on Recent Developments in Official Statistics on March 18-19, 2010 at Shah Abdul Latif University, Khairpur, Sindh (Pakistan).
- ✓ 7th Two-day International Conference on World Statistics Day “Statistics for Society” on October 21-22, 2010 at Superior University, Lahore (Pakistan).
- ✓ 8th International Conference on Recent Advances in Statistics “Statistics, Biostatistics and Econometrics” in honour of Prof. Dr. Shahjahan Khan on February 8-9, 2011 at National College of Business Administration and Economics, Lahore, (Pakistan).
- ✓ 9th International Conference on Statistical Sciences (Official Statistics and its Impact on Good Governance and Economy of Pakistan)” on July 05-06, 2012 at National College of Business Administration and Economics, Lahore, (Pakistan).
- ✓ 10th International Conference on Statistical Sciences: Role of Statistical Sciences in National Development and Good Governance on March 7-9, 2013 at Lahore Leads University, Lahore (Pakistan).
- ✓ 11th International Conference on Statistical Sciences: Social Accountability, Global Economics and Human Resource Development with Special Reference to Pakistan on October 21-23, 2013 at Indus International Institute, Dera Ghazi Khan (Pakistan).
- ✓ 12th International Conference on Statistical Sciences: Application of Statistics in Policy Development and Monitoring of Health, Finance Education, Information Technology and Economics on March 24-26, 2014 at Dow International Medical College, Dow University of Medical Sciences, Karachi (Pakistan).
- ✓ 13th International Conference on Statistical Sciences: Statistics: Future Risks, Challenges and Developments on March 16-18, 2015 at Department of Statistics, Islamia College, Peshawar, (Pakistan).
- ✓ First International Conference on Managing the Future: Recent Innovations in Economics, Business, Information Technology & Social Sciences on December 19-20, 2015 at National College of Business Administration and Economics, Lahore (Pakistan).

- ✓ 14th International Conference on Statistical Sciences: Statistics for Better Decision-Making and Development on March 14-16, 2016 at Jinnah Sindh Medical University, Karachi, (Pakistan).
- ✓ 15th International Conference on Statistical Sciences: Advances in Statistics, Economic Growth, Challenges and Development on March 9-11, 2017 at Shah Abdul Latif University, Khairpur, Sindh (Pakistan).
- ✓ 16th International Conference on Statistical Sciences: Advances in Statistics and Data Management: It's Role in National Growth and Socio-Economic Developments on March 5-8, 2018 at Department of Statistics, Islamia College, Peshawar, (Pakistan).
- ✓ 17th International Conference on Statistical Sciences: Sustainable Development Goals (SDGs) and Data Gap Challenges on January 21-23, 2019 at National College of Business Administration and Economics, Lahore (Pakistan).
- ✓ 18th International Conference on Statistical Sciences: Using Statistics for Sustainable Development Goals & Human Development on February 18-20, 2021 at Imperial College of Business Studies, Bahria Town, Lahore, (Pakistan).
- ✓ 19th International Conference on Statistical Sciences on March 17-19, 2022 at Department of Mathematics and Statistics, University of Agriculture, Faisalabad (Pakistan). The Theme of the conference was "Application of Statistics for Making Decision with Precision in Agriculture, Industry and Economic Development".

The conferences attended by around 250-300 participants including about hundred and twenty five renowned international statistical scientists from twenty five countries. The proceedings of these conferences have been published regularly; containing reviewed, contributed and invited papers.

3- NATIONAL AND INTERNATIONAL SEMINARS

In addition to conferences, ISOSS had held four National and International Seminars and Workshops to discuss statistical applications to Economics and Population Censuses under Disturbed Conditions. These are:

- ✓ First National Seminar on Statistics for Development held on February 17-18, 1990 at Islamabad (Pakistan) in collaboration with the Quaid-i-Azam University, Islamabad (Pakistan).

- ✓ First Pre-1991 Population & Housing Censuses Workshop held on July 19-20, 1990 at Lahore (Pakistan).
- ✓ First International Research Seminar on Statistics for Islamic Economics held on August 29-31, 1994 at Lahore (Pakistan) in collaboration with the University of the Punjab, Lahore (Pakistan).
- ✓ Second International Research Seminar on Statistics for Islamic Economics held on October 31 to November 01, 1995 at Bahawalpur (Pakistan) in collaboration with the Islamia University, Bahawalpur.
- ✓ First International Research Seminar on Population Censuses under Disturbed Conditions held on November 01-02, 1995 at Bahawalpur (Pakistan) in collaboration with the Islamia University, Bahawalpur, (Pakistan).
- ✓ One-Day Seminar on “Taguchi Quality Control Methods for Industrial Design of Experiments” held on October 18, 2003 at Regional Office of Higher Education Commission, Lahore (Pakistan).
- ✓ 2-Days Seminar on “Bio-Informatics, Information Technology and Biostatistics” held on December 27-28, 2003 at National College of Business Administration & Economics, Lahore (Pakistan).
- ✓ 2-Days Short Course on Biostatistics: Statistical Techniques for Medical Research held on November 29-30, 2004 at National College of Business Administration & Economics, Lahore (Pakistan).
- ✓ 6-Days Research Workshop on Recent Developments in Statistical Sciences held on December 23-29, 2005 at F.C. College, Lahore (Pakistan).
- ✓ 3-Days Second Workshop on Biostatistics: Statistical Techniques for Medical Research held on April 12-14, 2007 at National College of Business Administration & Economics, Lahore, (Pakistan).
- ✓ 2-Day Post-Conference Workshop on “Recent Developments in Statistics” held on May 30-31, 2007 at Kinnaird College for Women, Lahore (Pakistan).
- ✓ One-Day Workshop on “Recent Advances in Data Analysis” held on June 21, 2008 at National University of Computer & Emerging Sciences (FAST-NU), Lahore (Pakistan).
- ✓ One-Day International Seminar on Twenty Years of ISOSS & Beyond and National Policy on Statistics held on August 17, 2009 at Lahore Chambers of Commerce & Industry, Lahore (Pakistan).

- ✓ One-Day Post-Seminar Workshop on Recent Development in Statistics on March 20, 2010 at Shah Abdul Latif University, Khairpur, Sindh (Pakistan).
- ✓ Post-Conference Workshop on “Successfully Publication of Research Papers in International Journals” on December 23, 2011 at National College of Business Administration & Economics, Lahore (Pakistan).
- ✓ Post-Conference Workshop on “Big-Smog Data Analysis and Official Statistics” on March 19, 2015 at Islamia College, Peshawar (Pakistan).
- ✓ Talk on Teaching Statistical Inference Through a Freely Available Software by Dr. Saleha Naghmi Habibullh, Professor of Statistics, Kinnaird College for Women, Lahore on November 12, 2017 at ISOSS House, Lahore.
- ✓ Half-Day Memorial Seminar on the 50th Death Anniversary of Dr. M. Zia-ud-Din Former Director, Institute of Statistics, University of the Punjab on 25th November, 2017, at ISOSS HOUSE, Sabzazar, Lahore.
- ✓ Course on Cathodic Protection, Advanced Surveying Techniques & Pipeline Integrity Management held on January 23-25, 2018 by Dr. M. Inam Khokhar (Corrosion Specialist) in collaboration with Institute of Quality Systems and Standards (IQSAS) and Corrosion Consulting & Training International (USA).
- ✓ One-day Workshop on Communication and Writing Skills by Dr. Mumtaz M. Khan, Principal, Government College of Commerce, Allama Iqbal Town, Lahore held on February 17, 2018 at ISOSS House, Lahore.
- ✓ Seminar on International Day of Women and Girls in Statistical Sciences held on February 18, 2018 at ISOSS House, Lahore.
- ✓ Half-day Workshop on Email Writing Skills on September 08, 2018 by Dr. Mumtaz M. Khan, Principal, Government College of Commerce, Allama Iqbal Town, Lahore at ISOSS House, Lahore.
- ✓ Course on Cathodic Protection, Advanced Surveying Techniques & Pipeline Integrity Management held on March 04-05, 2019 at National College of Business Administration and Economics, Lahore by Dr. M. Inam Khokhar (Corrosion Specialist) Corrosion Consulting & Training International (USA).
- ✓ Workshop on “Concepts, Methods, & Procedures of Mediation, Moderation, Mediated Moderation & Sequential Mediation Analysis Using Hayes’ Process Macro” held on September 15, 2019 by Dr. Ghulam Abid, Assistant Professor, National College of Business Administration and Economics, Lahore.

- ✓ Lecture on “Real Statistics: An In-Depth Talk” held on Sunday, September 22, 2019 by Prof. Dr. Asad Zaman a renowned Economist, Social Scientist and the Ex-Vice-Chancellor of the Pakistan Institute of Development Economics, Islamabad.
- ✓ Two-Day Workshop on “Mathematica” held on September 28-29, 2019 by Dr. Azeem Ali, Assistant Professor, Department of Statistics and Computer Science, UVAS, Lahore, Pakistan.
- ✓ Workshop on “Concepts, Methods, & Procedures of Mediation, Moderation, Mediated Moderation & Sequential Mediation Analysis Using Hayes’ Process Macro” held on November 22, 2019 by Dr. Ghulam Abid, Assistant Professor, National College of Business Administration and Economics, Lahore.
- ✓ Two-Day Workshop on “Advanced Structural Equation Modeling Concepts and Application” held on December 14-15, 2019 by Naila Alam, Assistant Professor, Kinnaird College for Women, Lahore, Pakistan.
- ✓ One day Online Training Workshop on Tidyverse ggplot2 for Elegant Data Visualization to be held on June 27, 2020.
- ✓ Online training workshop on Tidyverse dplyr for Efficient Data Manipulation held on July 18, 2020.
- ✓ Online training workshop on Tidyverse tidyr for Efficient Data Tidiness held on August 15, 2020.
- ✓ Online training workshop on Tidyverse Data Types (stringr, forcats, lubridate, hms) held on September 12, 2020.
- ✓ One day seminar on National Strategy for the Development of Statistics (NSDS 2020-30) held on 19.09.2020 by Dr. Amjad Javaid Sandhu, Deputy Director General, Pakistan Bureau of Statistics, Government of Pakistan, Islamabad, Pakistan
- ✓ Online training workshop on Tidyverse modelr (For efficient data modeling) held on October 03, 2020.
- ✓ Online Seminar on Celebration of World Statistics Day 2020 held on October 18, 2020. Invited Talks by the World-Renowned Practitioners in the field of Statistics followed by Panel Discussion on Future Directions for Statisticians of Developed & Developing Countries:
 1. Dr. Muhammad Hanif, Pakistan.
 2. Ch. Sajid Rasul, Pakistan.
 3. Prof. Joachim Engel, Germany.

4. Prof. Andrej Blejec, Slovenia.
5. Prof. Ayse Bilgin, Australia.
6. Prof. Ali S. Hadi, Egypt.
7. Prof. Reija Helenius, Finland.
8. Prof. Edith Seier, United States.
9. Prof. Delia North, South African.
10. Prof. Atilla Goktas, Turkey.
11. Dr. Daniel Frischemeier, Germany.

- ✓ Online Workshop on Machine Learning by Dr. Reza Arabi Belaghi and Dr. Ali Reza Safarian from Iran held on November 15, 2020.
- ✓ Online Workshop on Machine Learning (Part-II of IV) by Dr. Reza Arabi Belaghi and Dr. Ali Reza Safarian from Iran and Key Note Speech by Dr. Ayse Bilgin, (President Elect, International Association of Statistical Education (IASE), Macquaire University, Australia on “Machine Learning Application for Health Problems” held on December 13, 2020.
- ✓ Online Workshop on Machine Learning (Part-III of IV) by Dr. Reza Arabi Belaghi and Dr. Ali Reza Safarian from Iran and Key Note Speech by Dr. Ayse Bilgin, (President Elect, International Association of Statistical Education (IASE), Macquaire University, Australia on “Machine Learning Application for Health Problems” held on January 10, 2021.
- ✓ Online Workshop on Machine Learning (Part-IV of IV) by Dr. Reza Arabi Belaghi and Dr. Ali Reza Safarian from Iran and Key Note Speech by Dr. Marina Meila, Professor, Department of Statistics, University of Washington, USA on “Classic and Modern Data Clustering” held on February 07, 2021.
- ✓ Post-Conference Workshop on “*Python*” on February 21, 2021 at Imperial College of Business Studies, Bahria Town, Lahore, (Pakistan).

i) COLLABORATION WITH GOVERNMENT OF PAKISTAN

The Society has arranged a number of national and international events with the collaboration of the Government of Pakistan.

- ✓ Fourth Meeting of Heads of National Statistical Organizations of OIC Member-States (SH-4) in collaboration with Government of Pakistan, Statistics Division and Statistical, Economic & Social Research and Training Centre of Islamic Countries (SESRTCIC), Ankara Centre, Ankara, Turkey on February 11-13, 2004 at Ambassador Hotel, Lahore.

ii) LECTURES BY EMINENT STATISTICIANS

- ✓ The Society also arranges lectures by eminent statisticians, statistical experts, professionals and academics visiting ISOSS Headquarters at Lahore to facilitate the exchange of new ideas and recent research findings.
- ✓ The ISOSS Bulletin is published quarterly to disseminate salient features of ISOSS activities and news about statisticians and their accomplishments.

iii) BOOKS, PROJECTS AND SURVEYS

The Society has the pleasure in enlisting its accomplishments which have been completed/in progress upto the end of 2000:

S#	PROJECTS	STATUS
1.	Islamic Countries: A Statistical Profile 1988	Completed
2.	Lahore Mosque Survey – 1990.	Completed
3.	Unemployed M.Sc. Statistics Survey, 1990	Completed
4.	Mosques, Madrassas & Imams Survey in Lahore	Completed
5.	All-Pakistan Statisticians Convention, September 23, 1991	Completed
6.	Establishment of Institute of Quality Systems and Standards	Completed
	i. Courses on ISO 9000 Quality Systems & Internal Audit ii. Consultancy Services in ISO-9000 Quality System iii. Arranging Employment for Unemployed M.Sc. (Statistics) in Private Sector (ISO 9000 Quality Systems Implementation)	Completed
7.	Published Book on “Strategic Issues of Population of Islamic Countries” by Munir Ahmad, Akhlaq Ahmad and M. Hanif	Completed
8.	Published Book on “Biostatistics for Health Students with Manual on Software Applications” by M. Hanif, Munir Ahmad and Aftab M. Ahmad	Completed
9.	Published Book on “Knowledge Management” by Munir Ahmad and Suleman Aziz Lodhi	Completed
10.	Published Book on “Poverty Reduction: Policies and Global Integration” by Munir Ahmad and Suleman Aziz Lodhi	Completed
11.	Published Book on “Ranked Set Sampling” by Munir Ahmad, Muhammad Hanif and Hassen A. Muttlak	Completed
12.	Published Book on “Introduction to Statistics” by Dr. Munir Ahmad	Completed
13.	Published Book on “Prof. Dr. M. Zia-ud-Din’s Contribution to Mathematical Statistics” by Dr. Munir Ahmad, Dr. Muhammad Hanif, Dr. Mahmood Khalid Qamar, Dr. Alia Ahmed, Prof. Muhammad Aslam and Dr. Syed Azeem Ali	Completed
14.	Published Book on “Contribution to Biostatistics” by Dr. Nazeer Khan, Professor of Biostatistics, (100 Selected Articles from 1995 to 2020)	Completed

15.	Short Courses: <ul style="list-style-type: none"> • Recent Advances in Statistical Sciences • Research Methods for Social and Business Sector • Bio-Statistics for Professional Medical Practitioners • Recent Advances in Data Analysis • Solid Waste Management • Population and Environmental Hazard: Estimation of Poverty in Pakistan 	Continuous Process
16.	Project on “Citizen Report Card Study 2010-11 on Federal Tax Ombudsman” submitted to Transparency International Pakistan, Karachi.	Completed
17.	Project on “National Integrity System (NIS) Assessment” submitted to Transparency International Pakistan, Karachi.	Completed
18.	Survey on Estate Management System in Lahore (Construction Management)	Completed
19.	Survey on Census of Small establishments in Sabzazar Scheme: A Pilot Study	Completed
20.	Opinion Survey of ISOSS Members on ISOSS Activities	Completed
21.	Survey on Student’s Opinion on NCBA&E Teaching System and its Infrastructure	Completed
22.	Consultancy Project for Installation of ISO 9000-2008 Model in Punjab Board of Technical Education, Lahore	Continued
23.	Guidance to M.Phil. / Ph.D.	Continuous Process

iv) PAKISTAN JOURNAL OF STATISTICS (PJS).

“Statisticians are the Information Scientists of the 21st Century”

Pakistan Journal of Statistics (PJS) is being published regularly since 1985. Each volume contains four issues. Each paper accepted for publication is refereed by at least three international experts. If two referees recommended for the publication of the paper, the Journal Editorial Board accepts the paper with the condition that the author accommodates the points raised by the third referee.

The Journal is internationally accepted by many universities in Europe, North America, Australia, Japan etc. and is being abstracted and reviewed by many international abstracting agencies. The Journal is ranked as one of core journals in Statistics for the “Current Index to Statistics” of American Statistical Association, USA and ranked 14th in the list of 156 international journals.

ISI-JCR impact factor of PJS is 0.156 (2010), 0.286 (2011), 0.252 (2012), 0.336 (2013) and 0.140 (2014).

The PJS has been graded “B” by FIDES Journal Rating 2002 among 2000 journals in all disciplines. It can be viewed at Page 25 at the following website: http://bear.warrington.ufl.edu/centers/MKS/marketing%20science/Aplus_journal_ranking.pdf

The PJS has also awarded Y-Category by Higher Education Commission, Government of Pakistan. It can be viewed at: https://hjrs.hec.gov.pk/index.php?r=site%2Fresult&id=483420#journal_result

v) INSTITUTE OF QUALITY SYSTEMS & STANDARDS (IQSAS)

The ISOSS within the framework of its objectives and activities, established in 1994 an Institute of Quality Systems and Standards (IQSAS) to assist industries, businesses and services to institute quality culture in industries and to obtain ISO 9000, ISO 14000, ISO 46000 certification and CE Marking from international certifying bodies. IQSAS also help in clients to develop quality culture by employing modern concepts of continuous process improvement and total quality Management.

IQSAS prepares the manufacturing establishments in maintaining quality management system(s) to produce top quality products. The Institute has, in a short span of time since its establishment, achieved ISO-9002 Certification for a number of companies. IQSAS has a panel of experts who can assist the companies to bridge the gap between their existing system and international standards and to install a quality system in the minimum possible time. IQSAS provides on-site training to management and factory workers and prepares the company for certification.

vi) JOURNAL OF APPLIED PROBABILITY & STATISTICS (JAPS).

Journal of Applied Probability & Statistics (JAPS) is being published regularly since 2006. Each volume contains three issues. JAPS is dedicated to publishing high quality original research articles in broader areas of applied probability as well as diverse statistical methods and techniques covering both theory and applications. Intended as a forum for those engaged in analytic as well as experimental research, the journal accepts papers through peer review by professional colleagues in the relevant fields.

The *JAPS* is reviewed and indexed in the Mathematical Reviews, MathSciNet, and Zentralblatt fur Mathematik databases, and is registered in the USA and published by ISOSS Publications.

vii) JOURNAL OF ISLAMIC COUNTRIES SOCIETY OF STATISTICAL SCIENCES (J-ISOSS)

Journal of Islamic Countries Society of Statistical Sciences (J-ISOSS) is being published regularly since 2015. The aim of this journal is to disseminate knowledge and to promote intellectual discussions, research analyses, and pragmatic studies including critiques on topics relevant to wider area of social sciences. J-ISOSS is a high-quality and a multidisciplinary journal devoted to fields of Accounting and Finance, Management, Strategic Management and Human Resource Management, Organizational Behavior, Marketing and International Trade, Entrepreneurship and Innovation, Business Economics, Corporate Governance, Corporate Sustainability, Enterprise Risk Management, Enterprise Resource Planning, Islamic Finance, Knowledge Management and Intellectual Capital, Business Strategy, Business Model Innovation, Performance Management, leadership, Corporate Disclosures, Behavioral Finance, business and public administration and many other areas of physical and social sciences.

FUTURE PROJECTS

1- SOCIAL SURVEY RESEARCH CENTRE:

The ISOSS intends to establish Survey Research Centre to provides quality surveys data to researchers, students and teachers. The Centre will serve them in creation and innovative research and production of quality data. It shall inculcate professionalism and research ethics and maintain academic standards. The Centre may undertake steps for improvement in research by holding national and international seminars, conferences and symposia and offer various short-courses in survey sampling. It would help in creating new methodologies in data collection, survey designs, questionnaire development, data analysis, data management, data mining, statistical neural network and expert system. The success of the Centre will be in coordination of joint projects of the faculty and students across the country. Links with other universities and government agencies and R&D departments in the private sector will be made.

2- INSTITUTE OF POPULATION STUDIES

Institute of Population Studies (IPS) has been established to conduct research on:

- data collection techniques,
- methodologies for data analysis,
- training procedures,
- reproductive health care,
- gender-disaggregated data to draw accurate and
- precise picture of women's role in national economic development.

The ISOSS with the assistance of other agencies in Pakistan needs to support training programs in Statistics, demography and population and development studies.

PANEL OF MEMBERS

1. Dr. Muhammad Hanif Survey Sampling, Biostatistics and Research Methodology
2. Dr. Ahmad Zogo Memon Statistics, Quality Control, Quality Assurance
3. Dr. M. Zafaryab Statistics, Design of Experiment
4. Dr. Iffat Khawaja Survey Sampling, Management (Marketing)
5. Dr. Suleman Aziz Lodhi Management, Knowledge Economy, Social Networking
6. Dr. A.R. Chaudhry Population, Development Economics, Micro and Macro-Economic, Mathematical Economics
7. Dr. M. Ejaz Sandhu Computer Science, Communication Theory
8. Dr. M. Afzal Economics, Production Functions, Planning and Development
9. Dr. Munawar Rashid Total Quality Management
10. Dr. Aftab Ahmad Medical and Clinical Research
11. Dr. Mahmood Khalid Qamar Environmental Management
12. Dr. Alia Ahmad Legal and Technical
13. Dr. Sajeela Tazeen Dara Education, Statistics
14. Mr. Khalid Mahmood Total Quality Management
15. Mr. Ashfaq Ahmad Mirza Commerce
16. M. Iftikhar Executive Secretary
17. M. Imtiaz Secretary