QUANTITATIVE RESEARCH METHODS FOR POLICY ANALYSIS AND DECISION MAKING

Training Workshop
07 - 10 August 2018 and 13 - 17 August 2018 (9 days)

Modules:

1. **Overview of Research Methods & Policy Analysis**
2. **Practical Survey Research Techniques for Data Collection**
3. **Sampling Design for Surveys**
4. **Quantitative Analysis for Policymaking**
5. **Using Computer Software for Data Analysis**
6. **Using GIS for Data Visualisation**
7. **Report Writing**

The Centre for Strategic and Policy Studies is pleased to offer another training workshop on:

QUANTITATIVE RESEARCH METHODS FOR POLICY ANALYSIS AND DECISION MAKING

This course introduces Policy Analysis techniques using Quantitative Research Methods to support effective decision making. The participant can expect to gain a range of practical research skills to assist policy making, including how to set up answerable research questions, design research plans, sampling design, collect quantifiable information, analyse and interpret quantitative information, and effectively report or communicate findings. Further, the main focus of this course is survey-based research, applied statistics and the use of computer software with special reference to actual case studies from public policy in Brunei Darussalam.

Suitable for anyone interested in degree and postgraduate level research, Masters and PhD students, and officers in the government or private sector who wish to acquire practical skills in quantitative research methods and practice to aid decision-making. Advanced quantitative skills are not required but a hands-on knowledge of basic computer applications, e.g. Microsoft Office, is assumed. Upon completion of the course, participants will receive a CSPS certificate of accomplishment and will be competent to:

- Understand the strengths and limitations of research methods in policy analysis;
- Able to design quantitative research techniques to investigate appropriate issues in public policy;
- Make decisions between different types of research design;
- Design a range of statistically acceptable sampling methods and make sound decisions about which type of sampling to apply for a research study;
- Formulate operational indicators for measurement of abstract policy concepts and construct good questionnaires to collect quantifiable information;
- Understand key statistical concepts and methodologies used in data analysis;
- Be able to gain practical knowledge of widely used computer software (Excel and SPSS) in data management and analysis;
- Appreciate the use of GIS for data visualisation to aid policy decisions; and
- Understand the techniques in report writing for policy making.

Date of Workshop:	07 - 10 August 2018 and 13 - 17 August 2018 (9 days)
Venue:	The Centre for Strategic & Policy Studies (CSPS)
	Simpang 347, Jalan Pasar Baru, Gadong BE1318
	Brunei Darussalam
Cost per person:	$1,200 (after 10 July 2018)
Early Bird Registration:	$1,000 (by 10 July 2018)
Group Registration (3 or more persons):	10% off Early Bird (by 10 July 2018)
	10% off Normal Price (after 10 July 2018)
Last Day of Registration:	24 July 2018

TRAINING PROGRAMME

DAY 1 **Module 1. Overview of Research Methods & Policy Analysis - *Dr Diana Cheong***
07 Aug An overview of the rationale and types of policy research and introduction to basic steps to conduct research, from conceptualisation and refinement of policy issues, designing researchable policy research questions, research design, observational techniques and data analysis.

DAYS 2 & 3 **Module 2. Practical Survey Research Techniques for Data Collection - *Dr Diana Cheong & Liew Chee Hau***
08-09 Aug Topics include the main steps in designing questionnaires and conducting surveys. Using case studies method, guidance will be given on formulating operational definitions and construction of effective indicators for empirical measurements of abstract policy concepts and to consider issues of reliability and validity in use of social indicators.

DAY 4 **Module 3. Sampling Design for Surveys   - *Dr Diana Cheong & Liew Chee Hau***
10 Aug A special focus on sampling design and methods used to conduct surveys. Topics include logic of sampling, sampling statistics, qualitative and quantitative sampling design, random and non-random sampling methods and case studies applications.

DAY 5 **Module 4. Quantitative Analysis For Policymaking - *Dr Koh Wee Chian***
13 Aug This module provides an introduction to basic quantitative and statistical methods for policy analysis. Topics include descriptive statistics, statistical inference and linear regression. Participants are expected to develop a theoretical understanding of fundamental quantitative techniques and improve their use of Microsoft Excel tools for research and analysis.

DAY 6 & 7 **Module 5. Using Computer Software for Data Analysis - *Dr Giuseppe Rizzo***
14-15 Aug Emphasis of this module is on the application of the quantitative and statistical techniques covered in Module 4, using Excel and SPSS, to approach public policy issues and draw appropriate policy conclusions. Participants are expected to prepare a survey data file ready for analysis and to apply statistical techniques previously learned through the use of computer software using real-life data sets.

DAY 8 **Module 6. Using GIS for Data Visualisation - *Dr Sophiana Chua Abdullah***
16 Aug This is an introduction to GIS and its applications. An industry-standard GIS platform will be introduced to visualise geographic data, create maps and to query a GIS database.

DAY 9 **Module 7. Report Writing - *Dr Sophiana Chua Abdullah***
17 Aug This module highlights the different styles of report writing and provides guidelines for acquiring good report writing skills for policy making. Tips for effective presentation skills are also covered.

MAIN FACILITATORS

DR DIANA CHEONG

Dr Diana Cheong is the Chief Researcher at the Centre for Strategic and Policy Studies (CSPS). She specialises in Sociology, Public Policy, Research Methods, Economic Development and Public Law. Her experience in the policy analysis field spans more than 15 years and she is a leading Policy Researcher and Consultant in Brunei. She has conducted pioneering research work in Brunei in the areas of crime and delinquency, poverty, unemployment, youth development, work and productivity issues. She successfully led several research projects such as 'A National Study of Poverty in Brunei Darussalam', 'A Study of Unemployment Issues Among Registered Jobseekers', 'University Graduates and Employment', 'Nationwide Feasibility Study on Alternative Energy Sources', 'National Study On Social Problems Among Young People In Brunei Darussalam' , 'A Blueprint For Vision 2035 Sustainable And Inclusive Land Transportation System For Brunei Darussalam', and 'White Paper on Making Brunei Darussalam the Preferred Holiday Destination for All by 2025'

DR SOPHIANA CHUA ABDULLAH

Dr Sophiana Chua Abdullah is a Researcher at CSPS and Senior Special Duties Officer at the Prime Minister's Office. She has contributed to many CSPS projects in the areas of Alternative Energy, Energy Efficiency and Conservation, Health, Land Optimisation and Land Transportation, and has published in the areas of Student Modelling, Intelligent Tutoring Systems, Computer Adaptive Testing, Creative Industries and Child Online Interaction. Her current research interests include Strategic Foresight, Strategic Planning, Geographic Information Systems and Child Online Interaction. She holds a PhD in Computer Science from the University of Kent and an MSc in Computer Studies (AI) from the University of Essex, UK.

DR GIUSEPPE RIZZO

Dr Giuseppe Rizzo is a Researcher at CSPS. While at CSPS, Dr Rizzo has been the lead researcher on projects related to economic development, including the National Study on Financial Literacy and the Tourism Satellite Account. He has contributed to many of the recent CSPS projects, including Land Optimisation National Strategy, University Graduates and Employment Issues, and the National Master Plan for Land Transportation. His current research interests include economic development and industrial trends, economic clusters, and tourism economics. Before joining CSPS, Dr Rizzo was a Research Fellow at the University of Catania (Italy). He holds a PhD in Public Economics, a MSc in Economics, and a MA in Business and Economics.

DR KOH WEE CHIAN

Dr Koh Wee Chian is an Associate Researcher at CSPS. His research interests are in empirical macroeconomics, focusing on applying econometric and statistical techniques to economic policy issues of resource-rich countries. His recent work has been published in Oxford Economic Papers, Review of Development Economics, and International Economics and Economic Policy. He holds a PhD in Economics from the Australian National University and a MSc in Finance and Economics from the London School of Economics and Political Science. He also holds the Financial Risk Manager designation awarded by the Global Association of Risk Professionals.

LIEW CHEE HAU

Liew Chee Hau is an Associate Researcher at CSPS. His current work covers collecting and managing data, conducting literature searches and running statistical analyses for CSPS research projects. He holds a Master's degree in Medical Statistics from University of Leicester. During his postgraduate years, he had obtained skills in data handling and data analysis using statistical software such as STATA and SPSS. At CSPS, he was trained in survey interview, logistics and management for carrying out several research projects such as 'the National Health Survey System which was commissioned by Research Triangle Institute, US and Ministry of Health', 'Financial Literacy Survey and National Strategy' and 'Updating The Tourism Satellite Account (TSA) And Passenger Exit Survey For Brunei Darussalam'.

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CS PS BRUNEI DARUSSALAM | Centre for Strategic and Policy Studies

07 - 10 August 2018 and 13 - 17 August 2018 (9 days)

REGISTRATION FORM

Name	Position	Department	E-mail Address	Contact No.

Organisation	
Address	

Registration Fees

☐ Normal B$ 1,200 (after 10 July 2018)

☐ Early Bird B$1,000 (by 10 July 2018)

☐ Group Registration (3 or more persons)
10% off Early Bird (by 10 July 2018)
10% off Normal Price (after 10 July 2018)

PAYMENT METHODS

I would like to pay by:

☐ Cash

☐ Cheque payable to 'Centre for Strategic and Policy Studies'

☐ Bank Transfer to 'Centre for Strategic and Policy Studies' BIBD A/C NO: 00-006-01-000843-0

Please e-mail completed registration form to **training@csps.org.bn** or **fax to 2445840.** Please do not email as a **zipped** file. For further information, please email training@csps.org.bn or call Rina 2445841 x 1522, Liew x 1525 or Sophiana x 1521.

CLOSING DATE FOR REGISTRATION: 24 July 2018

Training Venue:

CSPS Building
Spg 347
Gadong BE1318
Brunei Darussalam

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