

## **CHAPTER 3**

### **Research design and methodology**

#### **3.1 INTRODUCTION**

This chapter covers the research design and methodology, including sampling, population, establishing rigour during and after data collection, ethical considerations and data analysis.

#### **3.2 RESEARCH DESIGN**

Burns and Grove (2003:195) define a research design as "a blueprint for conducting a study with maximum control over factors that may interfere with the validity of the findings". Parahoo (1997:142) describes a research design as "a plan that describes how, when and where data are to be collected and analysed". Polit et al (2001:167) define a research design as "the researcher's overall for answering the research question or testing the research hypothesis".

This study focuses on the opinion of nurses on pain in patients that suffer from dementia. The research approach is non-experimental, qualitative, exploratory-descriptive and contextual.

##### **3.2.1 Non-experimental research**

According to Polit et al (2001:178), non-experimental research is used in studies whose purpose is description and where it is unethical to manipulate the independent variable. Non-experimental research is suitable for the study of people in nursing for several reasons. First, due to ethical considerations manipulation of the human variable is not acceptable because of the potential for physical or mental harm to the participants. Secondly, human characteristics are inherently not subject to experimental manipulation,

# Chapter 3 Research Methodology Design

**Hsiu-Shuo Hu**



### **Chapter 3 Research Methodology Design:**

Design And Development Of A Wiki-based Collaborative Process Writing Pedagogy: Putting Technological, Pedagogical, And Content Knowledge (Tpack) In Action Xuanxi Li,2022-01-05 This book provides an example of the capitalization of computer and wiki technology to support collaborative writing among Mainland Chinese upper primary school students It presents the results of a study showing the application of the Design Based Research DBR methodology to design a Wiki based Collaborative Process Writing Pedagogy WCPWP to help students with their writing in the Chinese context The WCPWP is designed and developed based on social constructivist theory and the social view of writing process theory as well as in consideration of the Technological Pedagogical and Content Knowledge TPACK framework Primarily aimed at researchers and practitioners in the fields of collaborative learning TPACK and Chinese writing as well as Chinese language educators this book will also deepen primary educators understanding of the links among technology pedagogy and content and guide educators in the integration of social media as well as the design of effective matching pedagogic strategies in their teaching of writing

**Completing Your Qualitative Dissertation** Linda Dale Bloomberg,Marie Volpe,2008-01-24 Completing your Qualitative Dissertation fills an important gap in the qualitative research literature by specifically addressing the fast growing practice of qualitative postgraduate dissertations in colleges and universities throughout the world Many students struggle to complete qualitative research projects because the research itself is inherently messy To address this challenge the authors have distilled decades of experience into a first of its kind highly practical reference for graduate students At the heart of the book is a series of chapters that models the typical progression of a dissertation Each chapter is illustrated by examples that give the reader an understanding of what the actual write up would look like Emphasis throughout the book is on conceptual understanding as it relates to the practical aspects involved in navigating the dissertation process

**Unwrapping Transcultural Romantic Love Relationships** Claude-Hélène Mayer,2023-06-01 This research study explores the interlinkages of three major themes namely transcultural romantic love relationships TRLRs sense of coherence SOC and identity development ID in individuals who are presently involved in romantic love relationships RLR with partners from different cultural or ethnic backgrounds The study uses a qualitative research design within the hermeneutical interpretative research paradigm aiming to understand the interlinkages of TRLR SOC and ID Based on purposive and snowball sampling techniques the study includes 22 participants 12 female and 10 male between 23 and 68 years of age from 14 different self defined cultural backgrounds At the time of the interview participants had been in TRLRs for at least 6 months to a maximum of 26 years Data were collected through semi structured interviews and analysed through content analysis Qualitative quality criteria and ethical considerations were applied The findings show that TRLRs are firmly based on relationship qualities strong feelings common actions spirituality and future orientation Further the findings present clear interlinkages between TRLR and SOC contributing positively to meaningfulness manageability and

comprehensibility Finally TRLRs support SOC on intrapersonal cultural and interpersonal levels In addition they influence the development of identity awareness actions feelings and sexual SOC Conclusions limitations and recommendations for theory and practice are provided *Corporate Designing Religion* Graham Wiseman,2023-10-18 Design professionalism interwoven with strategic marketing skills and advances in the technologies of digital communication are changing the interface and conceivably the future image of religious institutions How and to what extent does corporate design influence the identity of religious institutions in the digital era Six denominational case studies including multifaith in Europe were investigated The concluding hypotheses outline principal response indicators supplemented by a Religious Branding Compass to assist in identifying the religious institutions visual identity projections **Managing E-Crm Towards Customer Satisfaction and Quality Relationship** Abu Bakar Abdul Hamid,Seyed Bahaedin Mousavi,Bamdad Partovi,2019-03-20 Electronic customer relationship management ECRM is a comprehensive business and marketing strategy for attracting and retaining customers over the internet The proliferation of ECRM and its alarming failure rate call for a better understanding of the relationship between ECRM and its immediate objective Based on the literature reviewed there are few studies that have used service quality as a component of relationship quality in the relation between ECRM and customer satisfaction The study investigates the influence of three components of ECRM i e pre purchase at purchase and post purchase ECRM on customer satisfaction directly and through mediating variable relationship quality A quantitative methodology using a cross sectional survey method was used to investigate the relationship between variables

**Cyberspace** Evon Abu-Taieh,Issam H. Al Hadid,Abdelkrim El Mouatasim,2020-06-17 Parallel to the physical space in our world there exists cyberspace In the physical space there are human and nature interactions that produce products and services On the other hand in cyberspace there are interactions between humans and computer that also produce products and services Yet the products and services in cyberspace don t materialize they are electronic they are millions of bits and bytes that are being transferred over cyberspace infrastructure **Innovation Partnerships Between Small and Large Firms: Possibilities and Threats** Walter M. Jenny,2007 *The Quantitative Approach in Political Science* Scott Bennett,1986 Providing students with a verbal description of the quantitative research process this work makes selective use of the formal symbolism of mathematics and statistics The text is intended for use in year long introductory courses in political science quantitative research methods [A Hypothetical Enhanced Renewable Energy Utilization \(EREU\) Model for Electricity Generation in Thailand](#) Thomas Andexer,2008-10-29 Master s Thesis from the year 2008 in the subject Environmental Sciences grade Passed Assumption University of Thailand College of Internet Distance Education CIDE School of Business Administration course Master Thesis Project language English abstract This thesis presents a research project entitled A Hypothetical Enhanced Renewable Energy Utilization EREU Model for Electricity Generation in Thailand This research is motivated by Thailand s rapidly increasing electricity consumption caused by the country s long standing above

average economic growth. Consequently, the rising electricity demand can only be satisfied by continuously growing electricity imports and thus creating a significant burden to Thailand's national budget. Furthermore, Thailand is heavily dependent on natural gas reserves for electricity generation; however, these are expected to be depleted within only three decades, and global price levels for conventional fuels are increasingly volatile with an ascending tendency as well. Therefore, Thailand faces an urgent need to strategically plan for the broad utilization of domestic renewable energy resources, which is essential for a more diversified and thus sustainable electricity generation, as well as for the nation's endeavor to become an energy hub within the South East Asian region. Under these circumstances, this research conducts a comprehensive literature review regarding the past development as well as the current situation of renewable energy utilization in Thailand, which concludes in the identification of the importance of renewable energy in the given context and closes with both a distinctive need assessment and a conceptual framework for Thailand's future renewable energy strategy. Subsequently, the research introduces a unique primary research endeavor in the form of an explorative expert interview survey, which succeeds in a substantial collection of qualitative and in-depth data. These valuable data is first objectively analyzed and second subjectively interpreted and summarized to become the major source for the derivation of a multitude of potential strategic recommendations for an enhanced future renewable energy utilization development in Thailand. Finally, the entirety of these recommended strategic approaches based on both the secondary and primary research are assembled to develop the Enhanced Renewable Energy Utilization (EREU) model for electricity generation in Thailand as the fundamental finding of this thesis and research project respectively.

### **Program scheduling and simulation in an operating system**

**environment** bernard lampard, 2014-02-03 Research Paper postgraduate from the year 2011 in the subject Computer Science Commercial Information Technology grade A Massachusetts Institute of Technology language English abstract CPU scheduling is a technique used by computer operating systems to manage the usage of the computer's central processing unit. In a multi-programming environment whereby several processes are running on the same processor, it is essential to use scheduling criteria to avoid collisions in the computer's operations. This will help users in a given information technology-oriented firm to share server spaces and resources like printers and file storage spaces. In the multi-tasking environment, a program called CPU scheduler selects one of the ready processes and allocates the processor to it. There are a number of occasions when a new process can or must be chosen to run: When a running process blocks and changes its state to Blocked; When a timer for a running process expires; When a waiting process unblocks and changes its state to Ready; and When a running process terminates and changes its state to Exit. Wikipedia 2013. Different types of scheduling programs referred to as algorithms can be employed in CPU scheduling instances. Among the most popular scheduling algorithms is Shortest Job First (SJF). SJF gives the processor to the process with the shortest next time allocation, known as the burst. If there are processes with similar CPU bursts in the event queue, the scheduler uses First Come First Served algorithm, which allocates

the first process to arrive in the queue to the processor regardless of its burst time It operates under the assumption that the length of the next CPU burst of each of the processes in ready queue is known CPU scheduling 2013 The SJF algorithm can be used in both pre-emptive and non-preemptive methods The algorithm can be preemptive or not Shortest Job First with preemption uses priority measure to determine the next process to be given the CPU The processes will be having different CPU bursts and different priority levels allocated to them The process with the least priority magnitude is always picked next A process already allocated the processor can be preempted the CPU and allocation done to another process with higher priority when such a process arrives in the queue SJF with non-preemptive operates in the normal procedure whereby the job with the least CPU burst in the waiting queue is always picked next for allocation of the CPU and the rest of the processes have to wait no matter their urgency Based on the introduction above it is essential to use the right CPU scheduling strategy to help us achieve Human Factors Research: Methods and Applications for Architects and Interior Designers J.E.

Harrigan,1987-02 In order to succeed human factors research must blend the subjective and objective aspects of the client's situation applying both argument and evidence How to accomplish this complex and very necessary goal is the subject of this book in which information systems research methods and evaluation procedures have been formulated as elements in an application strategy that makes possible the blending of research and design Three main themes are maintained throughout the book the concern to ensure that designers know how to conduct human factors research in an effective and efficient manner the emphasis on obtaining the benefits possible when designer and client work in collaboration and the possibility that what is presented should stimulate thoughtful ideas about new computer applications or database features Human factors research is fundamentally a problem of information development Using the standardized information system presented in the book the promise found in human factors research can readily be realized as the research questions and methods given provide a strategy and means for situational analysis A necessary adjunct to human factors research is a means for assessing findings and translating them into specific design objectives criteria and specifications The evaluation procedures described are directed toward these very complex requirements and provide a means for database development The final chapter of the book contains research strategies guidelines for establishing scopes of work schedules and budgets and suggestions for proposals for those situations in which standard fees do not provide sufficient funds for human factors research The book is written primarily for architects interior designers and students of environmental design Many others will also find it of value those who employ professional design services executives who formulate policy for facility development and capital investment administrators of housing community service educational and recreational programs developers concerned with community acceptability and marketability managers of office buildings industrial plants and service and retail stores and those who plan to design their own environments all need a systematic approach to assure full benefits from their efforts and capital investments Journal of Dental Research ,1927 Scientific proceedings of dental and

stomatological societies issued as separately paged section in v 1 5

**The Imperatives of a Learning Organisation: The Case of Cape Peninsula University of Technology** Stephan Bach, 2013-10-23 Bachelor Thesis from the year 2012 in the subject Business economics Business Management Corporate Governance grade 1 0 language English abstract

Organisational learning was first mentioned in the management literature by Drucker 1958 47 He stated management is first and foremost about the continuing development of the organisation and its employees The demands and needs of the environment are constantly evolving and management is about adjusting the company according to the needs and demands of the environment Since then the literature available extensively covers the term organisational learning Several authors in the fields of management economics sociology psychology and education wrote about the subject As a result the field of organisational learning became rather fragmented Studies have been carried out in separate disciplines independent of each other Boreham and Morgan 2004 307 325 Though the field has become fragmented because of the diversities in approaches to this study it is possible to identify a core definition of what organisational learning is Lundvall 2001 273 291 According to Robinson 2010 1 13 early studies focused mainly on the decision taking processes as a form of organisational learning For example Argyris 1977 115 125 stated that organisational learning is a process of detecting and correcting error Another definition from Hedberg 1981 1 27 argues that organisational learning is the process through which managers seek to improve employees desires and abilities to understand and manage the organisation and its task environment so that employees can make decisions and function effectively Later the influences of organisational learning on the whole organisation became evident The work of Armstrong and Foley 2003 74 82 indicates that organisational learning is a process that takes place in organisations which enables learning of its members in such a way that positively valued outcomes are created The expected outcomes are innovation efficiency and better alignment with the environment leading to competitive advantage of the organisation The effects of organisational learning are manifested in the organisation s systems structures and culture More recent literature defines organisational learning as a dynamic process of creation acquisition and integration of knowledge with the aim to develop resources and capabilities that contribute to improved organisational performance L pez P on and Ord s 2005 227 245

*Organizational and Process Characteristics Determining Collective Bargaining Outcomes in Public Education* Elinor Nelson Schussheim, 1980

*The Role of Caregiving on Quality of Life of Parents with Children Having Autism in Taiwan* Hsiu-Shuo Hu, 2008

**Job Satisfaction of Full-time Tenured/tenure-track and Nontenure-track Faculty at the University of Minnesota Duluth** Jill Diane Jenson, 1999

*The attractiveness of South Africa as offshore destination for call centre services* Anita Hintringer, 2013-06-26 Master s Thesis from the year 2012 in the subject Business economics Miscellaneous grade 1 0 language English abstract This research report is entitled An investigation into the attractiveness of South Africa as offshore destination for call centre services to the UK An important objective of this research report was to investigate the factors and key issues that determine

South Africa's attractiveness to deliver offshore call centre services to the UK largely from the perspective of existing call centre outsourcers with their recent and first hand experience and expertise in this industry. The ultimate objective was to determine the attractiveness of South Africa for UK call centre offshoring. To achieve the above it was determined that a combination of qualitative investigative research combined with a quantitative approach would be conducted with data gathering. Primary research was done by conducting in depth interviews with individuals holding management positions with established call centre outsourcers in South Africa to determine the attractiveness of the location. Overall it was found that South Africa is averagely attractive for UK call centre service offshoring. Outsourcers highlight that at present offshoring is because of the global economic climate a very difficult market to be in. However if South Africa addresses challenges successfully e.g. skills shortage in middle management it can build the right foundation to grow the industry for the future. The location is attractive as it offers cost savings when compared to the UK client market but other locations outperform South Africa in this respect. Therefore the location is only attractive for a UK niche market as a cheaper but nonetheless premium location that delivers additional benefits relevant to UK business which other locations do not offer. These can be found in service delivery and quality and South Africa's alignment with Western industry standards.

**Ecological Experiences of College Students with Blindness** Debra Petersen Enburg,1999      **Personal Perceptions and Organizational Factors Influencing Stress and Burnout Among Minnesota Directors of Special Education** Carla Nohr Schulz,2003      **Factors Associated with the Developmental Tasks of Farm Families in Taiwan** Yei-fei Su,1977

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