

TABLE OF CONTENTS

Chapter 1. NATURE OF INQUIRY AND RESEARCH	1
Quantitative Research Defined	2
Characteristics of Quantitative Research	2
Strength and Weaknesses of Quarantine Research	3
Category of Quantitative Research	4
Survey Research	4
Methods of Conducting Survey Research	4
Classification of Survey Research on the Basis of Time Taken	4
Process of Implementing Survey Research Methods:	6
Design your Survey Questions	6
Purpose of Survey Research	7
Correlational Research	7
Types of Correlational Research	8
Data Collection in Correlational Research	9
Experimental Research	9
Causal - Comparative Research	10
Nature of Causal-Comparative Research	11
Causal Comparative Research Procedure	11
Problems with Research	11
Basic Steps of Research	12
Characteristics	12
Reporting the results of Qualitative Research Methods	12
Variable Defines	13
Basic Variable Types	13
Independent Variables	14
Dependent Variables (Outcome Variable)	14
Intervening and Moderator Variables	15
EXERCISE 1	19
REFERENCES	26

Chapter 2. IDENTIFYING THE INQUIRY AND STATING THE PROBLEM	27
Topic	28
Choosing a Topic for Quantitative Research	28
Factors Paramount to the Selection of Research Topic	28
Some Interesting Topics for Quantitative Research	29
Titles	30
Tips in the Title Formulation	30
Characteristic of a Good Title	31
Thesis Statement	31
Writing a Thesis Statement	31
Statement of the Problem	32
Significance of the Statement of the Problem	33
Characteristics of a Very Good Statement of the Problem	33
Sources of Problem Statement	34
Characteristics of a Statement of the Problem	36
Writing a Statement of the Problem Format	38
Malpractices in the Formulation of Research Questions	38
EXERCISE 2	43
REFERENCES	59
Chapter 3. REVIEWING THE LITERATURE	61
Review of Related Literature and Studies	62
Doing the Review	62
Sources	63
Primary source	63
Secondary source	64
Tertiary source	64
Types of Information Sources	64
Grey Literature	65
Synthesis	65
Ethical Standards in Writing Literature	65
Ethics in Literature Review	66

APA (American Psychological Association)	68
Citations and References	68
Citations	68
References	69
In-text Citations, How Made	70
Direct Quote:	70
Paraphrasing	70
Examples of APA in-text citations	71
Conceptual Framework	87
Guidelines in Making a Conceptual Framework	88
Dependent- Independent Model	88
Input-Process-Output Model	89
Research Hypothesis	90
Types of Hypotheses	90
Characteristics of Hypothesis	91
Definition of Terms	91
EXERCISE 3	93
REFERENCES	116
Chapter 4. UNDERSTANDING DATA AND WAYS TO SYSTEMATICALLY COLLECT DATA	117
Quantitative Research Design	118
Samples	118
Approach to Determine the Sample Size	118
Sampling Technique	121
Nonprobability sampling	125
Purposive Sampling	126
Snowball Sampling	126
Quota Sampling	127
Convenience sampling	127
Other Non-Probability Sampling	128
Instrument Development for Quantitative Research	128
Validity and Reliability	129
Validity of Research Instrument	129

Reliability of Research Instrument	130
Pilot Testing	130
Research Design or Method	130
Data Collection Techniques	131
Instrumentation	132
Sampling	133
Data Analysis	134
Ethical Considerations	134
EXERCISE 4	135
REFERENCES	143
Chapter 5. FINDING ANSWERS THROUGH DATA COLLECTION	145
Data Collection Methods	146
Quantitative Data	146
Quantitative Data Collection Methods and Varied Instruments	146
Data Analysis	150
Data Visualization	151
EXERCISE 5	155
REFERENCES	175
Chapter 6. REPORTING AND SHARING THE FINDINGS	177
Conclusion	178
Components of a Good Conclusion	178
General Rules in Writing a Conclusion	178
Formulation of a Convincing Conclusion	179
Recommendations	180
Writing Recommendations	180
Conclusions and Recommendations	180
General Sections in the Conclusions and Recommendations Chapter	180
Conclusions	180

Recommendations	181
Recommendations for Further Research.	181
Paper Presentation	181
Framework of the Presentation	183
EXERCISE 6	185
REFERENCES	191