



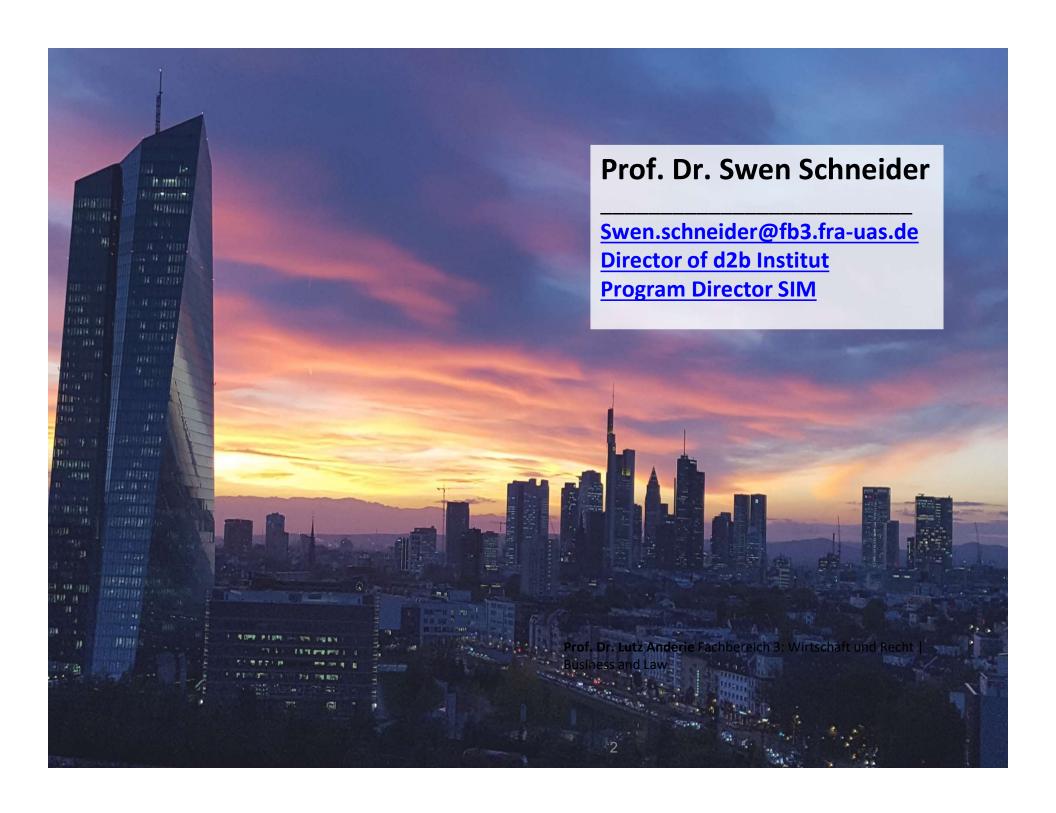
Research Methods

Prof. Dr. Swen Schneider Leadership/Strategic Information Management WS 2023/24

Pswd: ResMeth23

Fachbereich 3

Wirtschaft und Recht | Business and Law







Basic Literature

Research Methods

for Business Students

Pearson Education Limited; 8th New edition

(27th of May 2019) language: Englisch

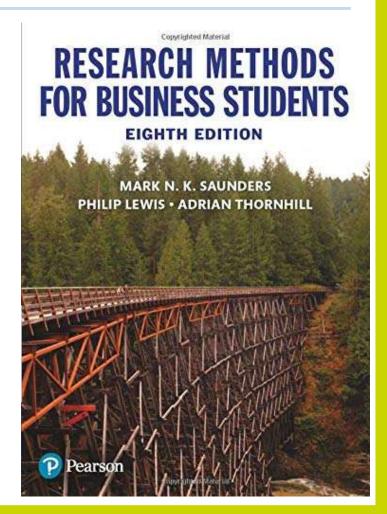
ISBN-10: 1292208783

ISBN-13: 978-1292208787





Professor Mark NK Saunders
Department of Management
Professor of Business Research Methods
Director of Postgraduate Research Programes





Schedule

05.02.2024 - 24.02.2024

online 16.10.2023	Intro and topic overview (Chapter 1-2)
online 23.10.	Science(Chapter 3-6) + final group formation & Research Topic
online 30.10 .	Scientific Work and Data Sourcing (Chapter 7-12 and 13-14)
online 06.11.	Individual Introduction of your Research Proposal (3min/group)
online 13.11.	Individual questions
online 20.11 .	Individual questions
online 27.11 .	Individual questions
online 04.12 .	Individual questions
Online 11.12 .	Individual questions
Online 18.12.2023	Individual questions
Online 08.01.2024	Individual questions
Online 15.01.	Individual questions
on site 22.01.	Presentation of your Research Study (on site in the seminar room)
on site 29.01.	Presentation of your Research Study (on site in the seminar room)

	4						
			Okto	ber	2023		•
	МО	DI	MI	DO	FR	SA	SO
39	25	26	27	28	29	30	1
40	2	3	4	5	6	7	8
41	9	10	11	12	13	14	15
42	16	17	18	19	20	21	22
43	23	24	25	26	27	28	29
44	30	31					
		N	love	mbe	r 202	3	
	MO	DI	MI	DO	FR	SA	so
44			1	2	3	4	5
45	6	7	8		10	11	12
46	13	14	15	16	17	18	19
47	20	21	22	23	24	25	26
48	27	28	29	30			
)eze	mbe	r 202	3	
	MO	DI	MI	DO	FR	SA	SO
48					1	2	3
49	4	5	6	7	8	9	10
50	11	12	13	14	15	16	17
51	18	19	20	21	22	23	24
52	25	26	27	28	29	30	31
1	1	2	3	4	5	6	7
			Jan	uar i	2024		
	MO	DI	MI	DO	FR	SA	SC
1	1	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31				
			Feb	ruar	2024		
	МО	DI	MI	DO	FR	SA	SC
5				1	2	3	4
6	5	6	7	8	9	10	11

Please use core statements in your presentation (without core statements 1 grade deduction)



Grading and Deliverables

1

Presentation Research Study and Background Questions (50%)

- -> Teamwork 4 persons /engl.
- 22. + 29.01.2024 -> Final Presentation 10 min + 10 min discussion /Team
- 2

Final Paper (50%) - **Teamwork** max. 4 persons /engl. /Team 7-8 pages (or net ~ 2000-2500 words), including pictures and tables, etc. excluding Coverpage, Index, Bibliography, Academic standard Due date: 29.01.2024 (upload CampUAS)

<u>Main Topic:</u> Analysis of eTrust and Anxiety about automated content creation and automated decision making when using new technologies



Goal: To execute a small research project in all its phases

- I. Define the Topic
- II. Build and discuss the Case and Scenarios
- III. Verify the Case (Research)
- IV. Identify and "Connect" Theorie
- V. Identify Research Methods and Collecting Data
- VI. Analyse Data
- VII. Create a Report



Trust

and

Anxiety (feer) Use of selected instruments for the realization of a small research study of a particular problem.



Goal of the Module

You know

- quantitative and qualitative methods of economic and social sciences
- various methodological approaches for the creation and evaluation of questionnaires and secondary analysis
- the current methods of management and empirical behavioral research

You are able to

- create scientific based analysis, reports and presentations.
- use scientific methods applied in Praxis
- work with current statistical and business intelligence programs
- easily plan projects and use the appropriate tools
- use statistical methods and interpret their results

Topic: how can I trust on automated content

Due date: 22. + 29.01.2024



Groups



Topic1: Research on Automated Content Generation

Team1:

Topic2: Anxiety about using New Technologies

Team2:

Topic3: How to manipulate Online Buying Decisions

Team3:

Topic4: How and what for people using LLMs

Team 4:

Topic5: Mechanisms to influence Recommendations

Team 5:

Topic6: The Use of ChatGPT compared to Bard

Team 6:

Topic7: Mechanisms of how Google collects data like using Crawler,

Sponsoring, Google AdWords, Bard, etc.

Team 7:

Topic8: The Success of Influencer

Team 8:

Topic9: Mechanisms of Nugding

Team9:

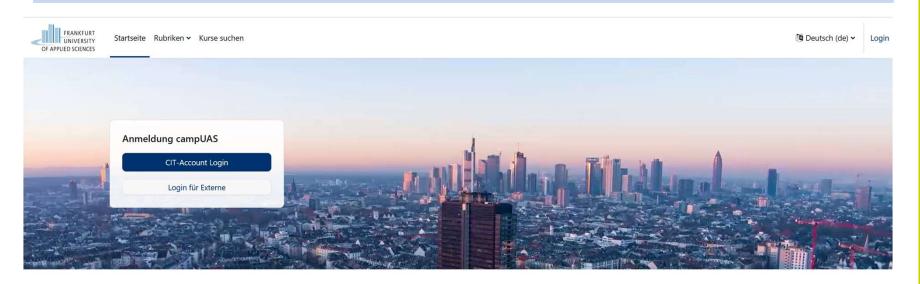
Topic10: Automated Decision Making

Team10:

All material are at the CampUAS Platform for download AND you can upload your work



CampUAS: Schneider: Research Methods (SIM/Leadership)



Entdecken Sie zusätzliche Unterstützungs- und Lernangebote für Ihr Studium



Key (Einschreibeschlüssel): ResMeth23

please name your workproducts as follows



Standards





Entdocken Sie zurätzliche Unterstützunge, und Lernangehete für Ihr Studi



Your Team Presentation (Type=Pre) TYPE_TopicNo_TopicName

Your final Team Paper (Type=TP)
TYPE_TopicNo_TopicName



To execute a small research project in all its phases

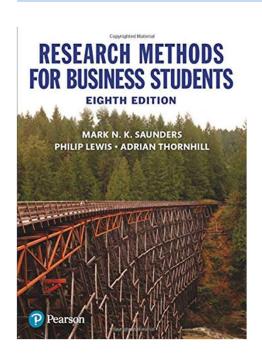
Statistical programs







Agenda

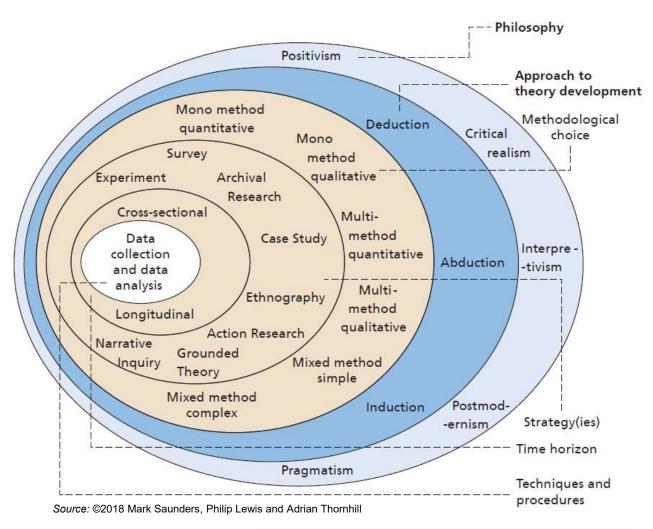


- Business and management research, reflective diaries and the purpose of this book
- 2 Choosing a research topic and developing your research proposal
- 3 Critically reviewing the literature
- 4 Understanding research philosophy and approaches to theory development
- 5 Formulating the research design
- 6 Negotiating access and research ethics
- 7 Selecting samples
- 8 Utilising secondary data
- 9 Collecting data through observation
- 10 Collecting primary data using research interviews and research diaries
- 11 Collecting primary data using questionnaires
- 12 Analysing data quantitatively
- 13 Analysing data qualitatively
- 14 Writing and presenting your project report



Expectations

Figure 4.1
The 'research onion'



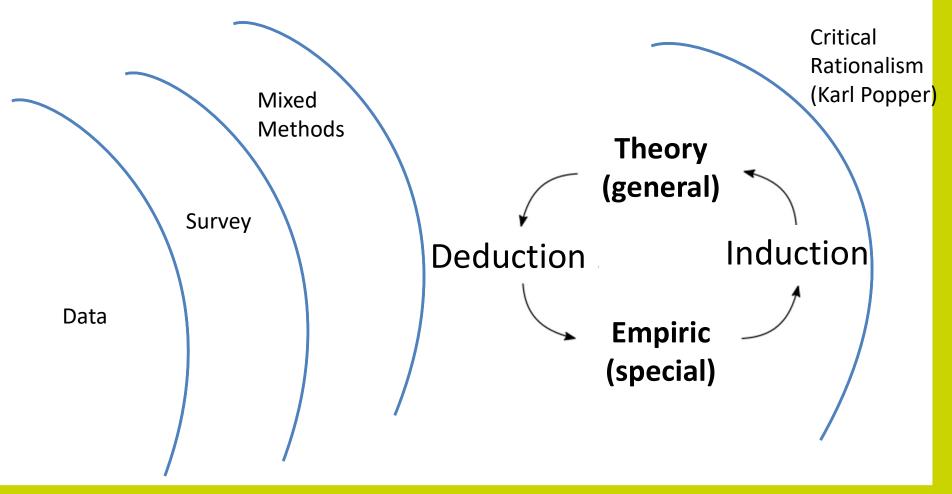
Copyright © 2019, 2016, 2012 Pearson Education, Inc. All Rights Reserved

Copyright © 2019, 2016, 2012 Pearson Education, Inc. All Rights Reserved



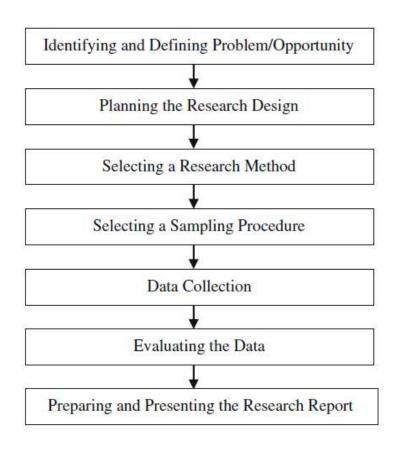


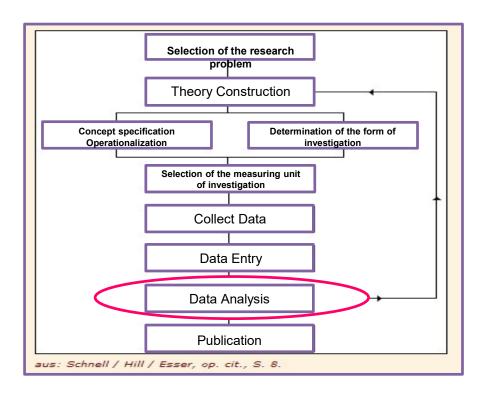
Figure 4.1
The 'research onion'





How are the Steps of doing Research....



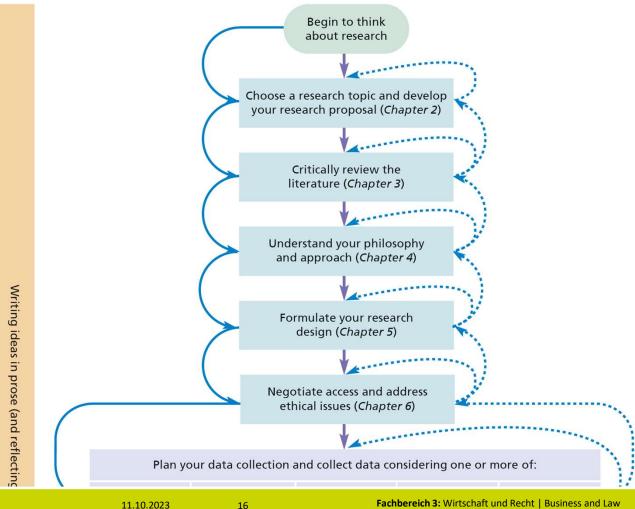


http://www.uni-konstanz.de/FuF/Philo/Geschichte/Tutorium/Themenkomplexe/Grundlagen/Forschungsprozess.html (11/2007)

Expectations



Figure 1.2 The research process (1 of 2)

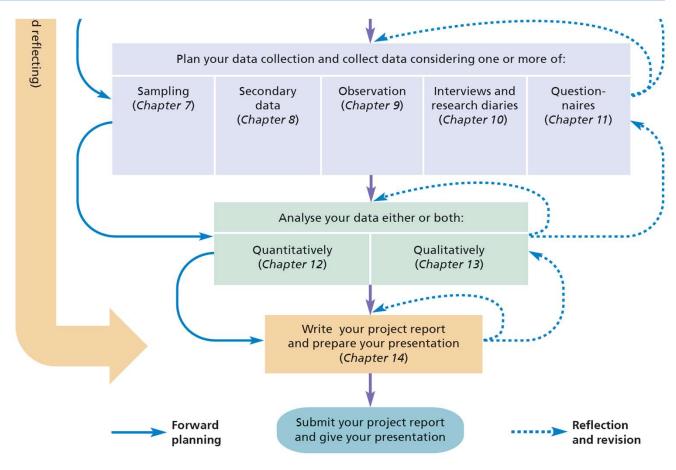


Copyright © 2019, 2016, 2012 Pearson Education, Inc. All Rights Reserved Source: © Mark Saunders, Philip Lewis and Adrian Thornhill 2018

Expectations



Figure 1.2
The research process (2 of 2)



Source: © Mark Saunders, Philip Lewis and Adrian Thornhill 2018

Copyright © 2019, 2016, 2012 Pearson Education, Inc. All Rights Reserved



Research Approaches are different in several academic areas



Research in Chemistry



Research in Medicine



Research in Biology



Research in Sociology



Research in Business Admin.



Research in Business Informatics



Market Research

Neben der Regress sine Methode zur U auf eine Zielgröße	ntersue	nung des Einfluss	es einer eder mel	arerer Varia
Dabei sollen die E sammenfassenden rend die Zielgröße e			ren genannt) ent 298 qualitatives	sprechend de r Natur sein,
Interessiert bei ein liegt der Fall eines einfaktorielle Varis g <i>nalyse</i> genannt wi	nsanaly	oten Varianzanal	yse vor, die bei ei Einflüssen mehrfe	mor Einfluss
Dei der multivarie	ton Vari	anzanalyse werds	mehrere Ziele	mößen gleich
Hei der multivaris betrachtet (Multiv hier ein Einfluss (können.	ten Vari	nalysis of Varianc fell) oder mehrer	e; abgekürzt MAN s (mehrfakterielle	prößen gleich
Bei der multivarie betrachtet (Multiv bier ein Einfluss ()	ten Vari	allysis of Varianc fell) oder mehrer	e; abgekürzt MAN s (mehrfakterielle	prößen gleich
Bei der multivarie betrachtet (Multiv bier ein Einfluss ()	ten Vari	nalysis of Varianc dell) oder mehrer Zahl der Fakto (quali	e; abgekürzt MAN s (mehrfaktorielle ren (Einflusse) tativ)	prößen gleich
Bei der multivaris betrachtet (Multiv hier ein Binfluss (können.	ten Vari sriate As sinfaktos	analysis of Variance iell) oder mehrers Zahl der Paktor (quali = 1 tinfaktorielle univariate	e: abpokürzt MAN (mehrfaktorielle ren (Kinflusse) ativ) > 1 mehrfaktorielle univariate	präßen gleich (OVA), webei) Einflusse w univariet Varians

E a a a i i i a a l O a a i a l

Empirical Social Research

We do Applied Research at our Module



Applied research

What kind of Research do we have

Basic research

Purpose:

- expand knowledge of processes of business and management
- results in universal principles relating to the process and its relationship to outcomes
- findings of significance and value to society in general

Context:

- undertaken by people based in academia
- choice of topic and objectives determined by the researcher
- flexible time scales

Impact:

- initially academic community and researcher
- · may also impact policy and practice

Purpose:

- improve understanding of particular business or management problem
- · results in solution to problem
- · new knowledge limited to problem
- findings of practical relevance and value to manager(s) in organisation(s)

Context:

- undertaken by people based in a variety of settings including organisations and academia
- objectives negotiated with originator
- tight time scales

Impact:

- initially policy and practice community and researcher
- may also impact academia

Research at the Fachhochschulen (BMBF) University of Applied Sciences



Applied Research

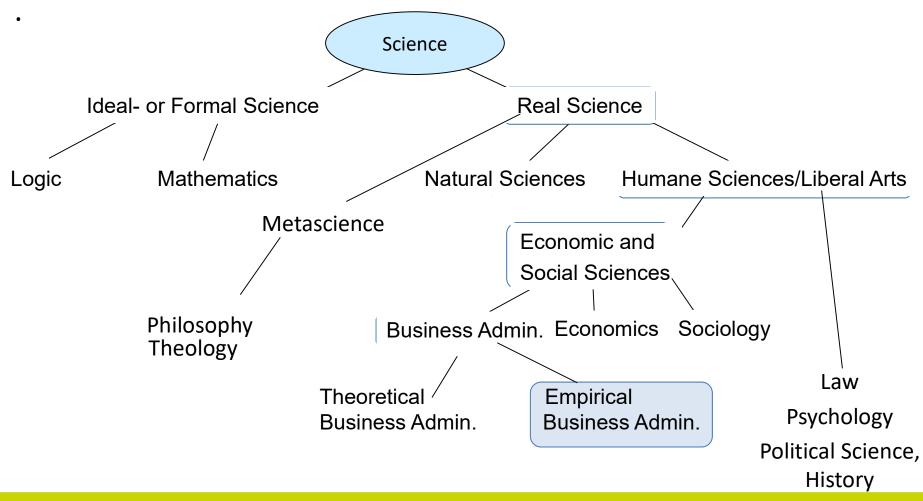
http://www.bmbf.de/de/5355.php

20



. Science and Business Administration

The goal of science is researching for the truth, obtaining fact-bound ordered relationships, systematic ordering of the truth and secure judgments in their truth





Popular research methods

- Survey research
- Case research
- Experimental research

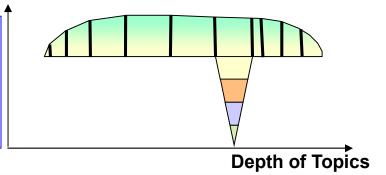
• ...

What is rigor and relevance in research?

Scholars must decide whether to emphasize rigor, which includes scientific knowledge, theory and data, or to emphasize relevance, which focuses on practical examples, timeliness, and applicability to life outside of the academic arena.

Range of Topics

After a description of the topic and its various aspects and categories, it must be narrowed down ->>





Research is a systematic process of knowledge generation

What is Scientific Research

Research is the search and extraction of new knowledge. This is done through systematic and comprehensible procedures in various disciplines.

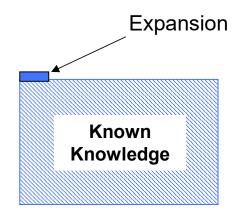
Research expands the existing knowledge, while basing it on existing knowledge. Current systems, rules or theories will either be disproved, further developed or transferred to other areas.

It can be differentiated between two types of research:

- Basic research ("pure" research)
- Applied research

Science is the activity of acquiring knowledge through research. It is passed on through teaching and the social, historical and institutional framework.

Research expands the existing knowledge, while basing it on existing knowledge. Current systems, rules or theories will either be refuted, further developed or transferred to other areas.



Expectations



Definition

We can define <u>business and management research</u> as undertaking <u>systematic</u> <u>research</u> to <u>find out things about <u>business and management</u>.</u>

Structure

- Title
- Background
- Method
- Timescale (Milestone Plan)
- Resources
- References



To find a good research objective you can use this questions

Table 2.4 Criteria to devise useful research objectives

Criterion

Transparency (What does it mean?)

Specificity (What am I going to do?)

Relevance (Why I am going to do this?)

Interconnectivity (How will it help to complete the research project?)

Answerability (Will this be possible?) (Where shall I obtain data?)

Measurability (When will it be done?)

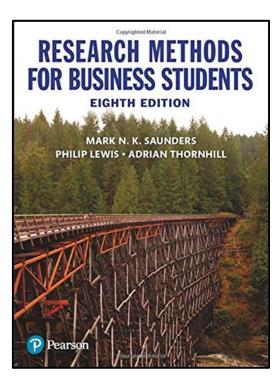
Expectations



Definition



Generating and refining research topic ideas





Characteristics of a good research topic

Appropriateness

- Does the research topic fit the specifications and meet the standards set by the examining institution?
- Does the research topic contain issues that have a clear link to theory?
- Are you able to state your research question(s), aim and objectives clearly?
- Will the proposed research be able to provide fresh insights into this topic?
- Are the findings for this research topic likely to be symmetrical: that is, of similar value whatever the outcome?

Capability

- Do you have, or can you develop within the project time frame, the necessary research skills to undertake the research topic?
- Is the research topic achievable within the available time?
- Is the research topic achievable within the financial resources that are likely to be available?
- Are you reasonably certain of being able to gain access to data you are likely to require for this research topic?

Fulfilment

- Does the research topic really interest and motivate you?
- Will the research topic help towards the achievement of your future aspirations or career goals?

Copyright © 2019, 2016, 2012 Pearson Education, Inc. All Rights reserved



The Title should be meaningful and interessting

How can your research proposal be structured?

Title

The title should simply and concisely <u>summarise the research question</u>. It should reflect the concepts or variables in your research question

Background



This section has a number of related functions. It needs to <u>introduce</u> the reader to the research issue or problem. This addresses the question, 'what am I going to do?' You also need to provide a rationale for your proposed research and to justify this. This may be composed of two elements, one relating to you and the other relating to the <u>value of the work</u>. Your reader will be looking for some evidence that this is a topic in which you have sufficient interest to sustain the effort that will be required from you over the period of the research project.

The Research Question started with w... (Why, What, etc.)



How can your research proposal be structured?

Research question(s), aim and objectives

The Background section should lead logically into a statement of your research question(s), aim and research objectives.

These should leave the reader in no doubt about what your research seeks to achieve. Be careful here to <u>ensure</u> that your <u>objectives are precisely written</u> and will <u>lead to observable outcomes</u>

Method

The Method will be the longest sections of your proposal.

The <u>Method</u> is designed to answer the question, <u>how shall I conduct my research?</u> The Method may be divided into sub-sections that deal with research design, participants, techniques and procedures and ethical considerations.

Please respect the environmental and may be limiting factors



How can your research proposal be structured?

Writing your research proposal

to do that?" The rationals will also need to address the question, "why is it worth doing?" This will relate to one of the following types of surification: the application of a theory is a particular context (such as within an organisation); the development of a theory within a research setting, testing a theory within a given context. Your research may propose other such justifications of depending on its nature.

This leads to another function of this section: to demonstrate how my research release to what has been done before in this subject rare. In achieving this you will show you knowledge of relevant Berature and clarify where your proposal fits into the debate in this literature (Section 5.3). You will also be able to begin to show Which theory or theories will tulinom what I and olong and how I will use it or them? The insection will be not to write a detailed everiew of the literature borrelove to provide an overview of levil instance sources from which you will draw and the theory or beceive within them. This will not be the same as the critical literature review (Sections 3.4, and 3.3) that you will prevent in your final project report but the start of the process that loads to it.

Research question(s), aim and objectives

The Background section should load (egocally into a statement of your research question(s), aim and research objectives. Those should have the reader in no doubt about what your research seeks to achieve. Be careful here to ensure that your objectives are precisely written and will lead to observable outcomes (Box 2.7).

Method

The Basiground and Method will be the longest sections of your proposal. The Method is designed to answer the question, 'how shall I conduct my research!' The Method may be divided into sub-sections that deal with research design, participants, techniques and procedures and ethical considerations. This final element may need to be dealt with in a discrete section of your research proposal.

Research design is discussed in Chapter 5. It tenebros you making a number of decisions about, "what it my research design?" You will need to make a methodinlogisal chinice between a quantitative, qualitative or mixed methods design. You will also need to select one or more research strategies is q. an experiment, a case study, a survey, a Grounded Theory strategy/ and determine an appropriate time frame for your project depreding on the nature of your research. You will need to describe each of these and justify your choice for the wax these eliments fit to content to form a coherent whole.

How you design your research will affect the type of data you require, where you intend to locate them and from whom you will collect throm. Your claze may be collected from human participants, or they may be secondary data (Chapter 8) such as from architect research (Section 5.8) or a combination of these. You will therefore need to address the question, what type of data do to need? It you are using secondary data you will need to supplied what these are, where they are Societed, any issues related to access and justifies the choic. It you mised to collect data from human participants, you will need to assesse, "who and where are my intended participants" You may be intending to combut research, a single organisation or access or a murber of regionaustion. You will need to explain and partify the nature of the organisation or organisations or access or within which. It, or they, operate. Your intended participants may be located within a specific part of an organisation or the drawn from access it. You will need to explain and sustiff this.

You will also need to explain the nature of your research population and why you chose it. For example, they may be entrepressure, managerial employees, non-managerial employees, apparticular occupational group, trade union officials or some combination of



Resources

Resource considerations may be categorised as <u>finance</u>, <u>data</u> access and equipment.

Conducting <u>research costs money</u>. This may include for example: <u>travel</u>, subsistence, help with <u>transcription</u> or, perhaps, postage for questionnaires. <u>Think through the expenses</u> involved and ensure that you can meet them.

Timescale

-> project plan



