

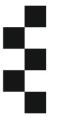


University of Essex

Online

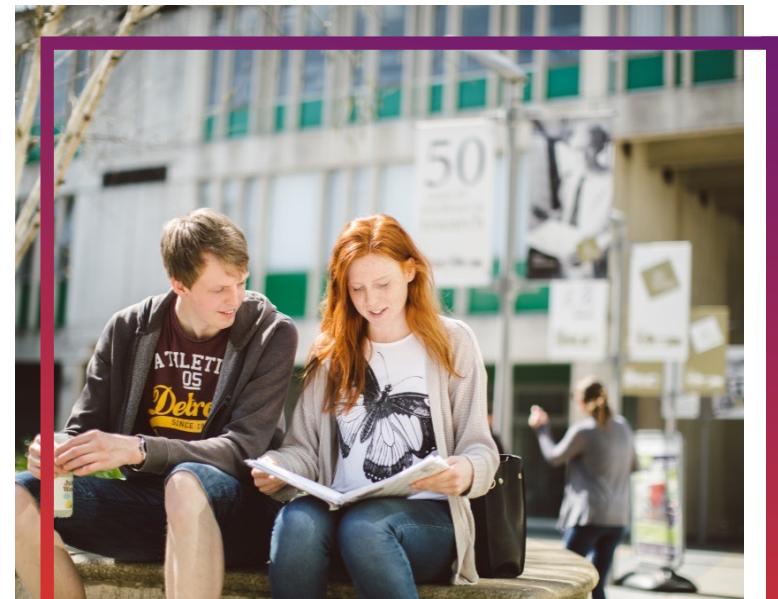
Research Methods and Professional Practice – June 2022

Seminar 5



Agenda

- Seminar 5
- Presentation of Qualitative Data
- Research Proposal Presentation





Tutor Contact

Dr Steph Paladini

Email: stefania.paladini@kaplan.com

Office Hours:

Monday 5pm - 7pm (17:00 - 19:00)

1.	Seminar 1 - Introduction
3.	<u>Seminar 2 - Peer review Activity</u>
4.	<u>Seminar 3 - Case Study: Privacy</u>
8.	<u>Seminar 4 - Inferential Statistics Workshop</u>
9.	<u>Seminar 5 - Workshop on Presenting Results</u>
11.	<u>Seminar 6 - e-Portfolio Preparation</u>



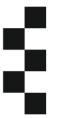
Module Structure

Link to the calendar:

<https://www.my-course.co.uk/course/view.php?id=8475§ion=2>

Weighting
30%
30%
40%

<u>Literature Review</u>	<ul style="list-style-type: none">- Critically evaluate existing literature, research design and methodology for a chosen topic and so produce a literature review on this topic.- 2000 words	
<u>Research Proposal Presentation</u>	Presentation: about 15 minutes, you can work against a minimum of 1500 to a maximum of 2250 words in your oral presentation /transcript.	
<u>Individual e-Portfolio</u>	The strict word count limit for the e-portfolio applies to the reflection only - 1,000 words	

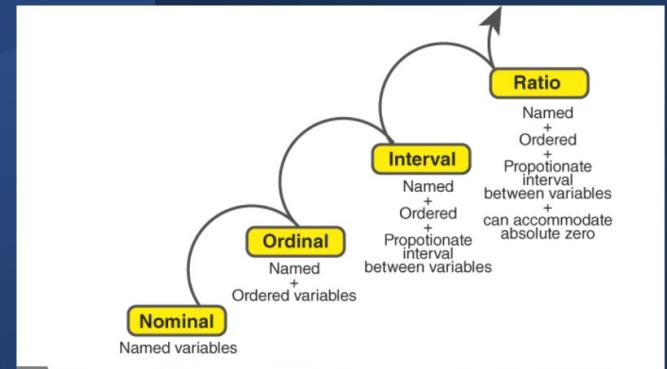
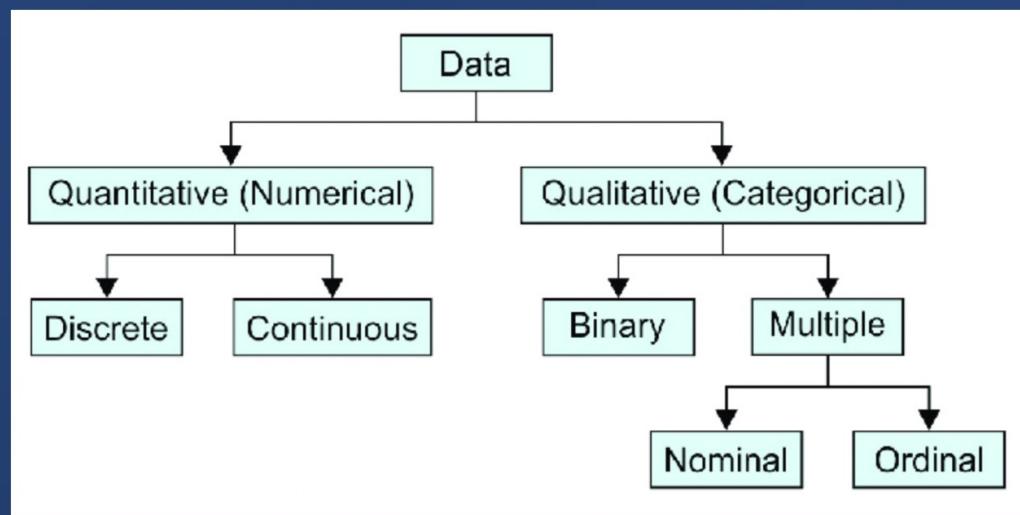


Research Methods and Professional Practice - Recap U 8-12

8. Inferential Statistics	8	Hypothesis Testing worksheet, submit a brief outline of your Research Proposal , Exercises
9. Analysing Qualitative Data	9	Discussion forum, Charts Worksheet and Analysis,
10. Research Writing	10	Submit your statistical worksheets Research Proposal Presentation
11. Professional Development – Your e-Portfolio.	11	e-Portfolio Preparation,
12. Project Management and Managing Risk	12	Self Test Quiz, End of Module Assignment - Individual e-Portfolio



Research Methods and Professional Practice – Statistics



CONTINUOUS

Height
Weight
Age



DISCRETE

Number of cards
Number of patients
Number of books



ORDINAL

Grades
Size of clothing
Study level



NOMINAL

Hair colour
Gender
Marital Status



BINARY

Left/Right
Right/Wrong
Up/Down

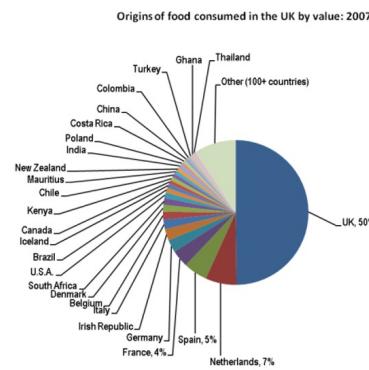
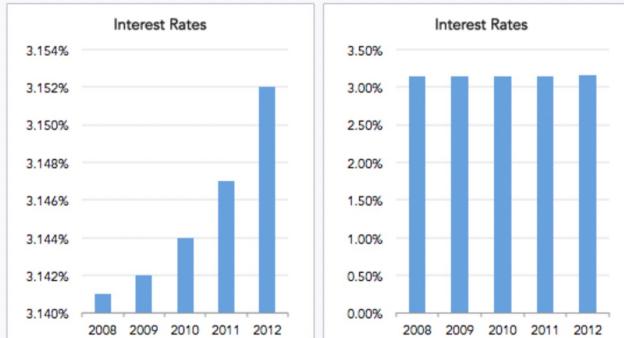


Name	Gender	Age	Weight	Height
James	Male	27	75.1	Short
Barra	Male	32	98.3	Short
Sarah	Female	34	63.5	Medium
BILL	Male	23	87.2	Tall
Peter	Male	27	75.1	Short
Chloe	Female	32	98.3	Short
Ben	Male	34	63.5	Medium
Anna	Female	23	87.2	Tall



Research Methods and Professional Practice – Statistics

Same Data, Different Y-Axis



Based on the farm-gate value of unprocessed food

Presenting data for reports: check-list

Goals for effective data presentation:

- Present data to display essential information
- Communicate complex ideas clearly and accurately
- Avoid distortion that might convey the wrong message

- Unequal histogram interval widths
- Compressing or distorting the vertical axis
- Providing no zero point on the vertical axis
- Failing to provide a relative basis in comparing data between groups



→ common mistakes:

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Research Methods and Professional Practice – Statistics

Excel bar chart (left) and pie chart (right) for reasons for shopping online

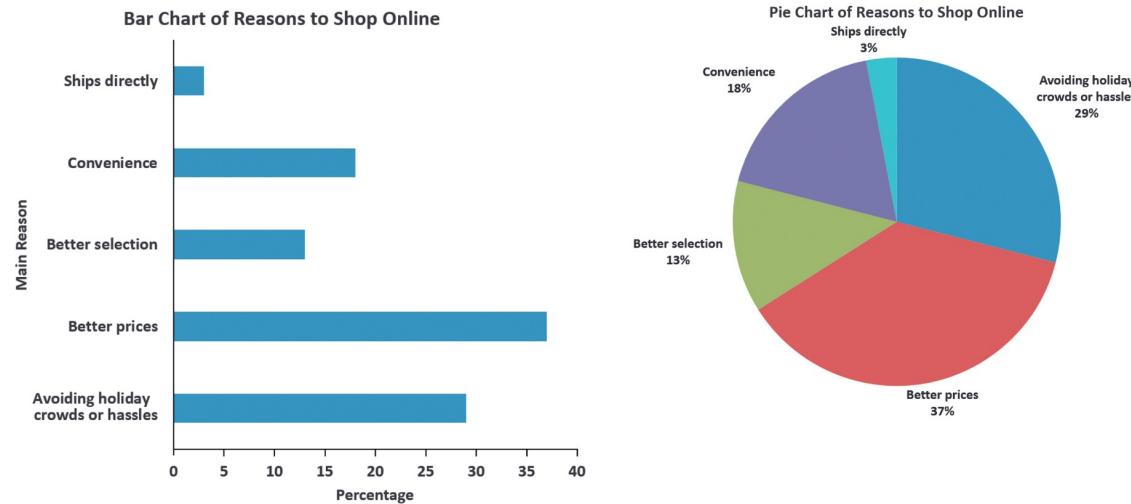


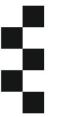
FIGURE 2.16

PivotTables for the retirement funds sample showing percentage of overall total for fund type and showing percentage of overall total risk (left) and for fund type, market cap, and risk (right)

Type	Risk			Grand Total
Type	Low	Average	High	Grand Total
Growth	45.25%	23.42%	3.16%	71.84%
Value	21.84%	5.38%	0.95%	28.16%
Grand Total	67.09%	28.80%	4.11%	100.00%

Type	Risk			Grand Total
Type	Low	Average	High	Grand Total
Growth	45.25%	23.42%	3.16%	71.84%
Large	28.48%	3.16%	0.95%	32.59%
Mid-Cap	11.71%	11.08%	0.00%	22.78%
Small	5.06%	9.18%	2.22%	16.46%
Value	21.84%	5.38%	0.95%	28.16%
Large	14.24%	1.27%	0.32%	15.82%
Mid-Cap	4.75%	1.27%	0.00%	6.01%
Small	2.85%	2.85%	0.63%	6.33%
Grand Total	67.09%	28.80%	4.11%	100.00%

Qualitative data:
1* Codebook
2* Exploratory?
3* Tools



Research Methods and Professional Practice – Statistics

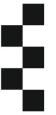
Research Proposal Presentation

- This is the second summative assessment for this module and accounts for 30% of your final module mark. Submit by end of Unit 10.
- ILOs: *evaluate critically existing literature, research design and methodology for your chosen topic, including data analysis processes and so produce and evaluate critically a research proposal for your chosen topic.*
- This can be based on the literature review topic you chose in Unit 1 OR the topic of your capstone project (MSc students).
- You are required to create **an audio-narrated slide presentation of 15 minutes** and a transcript in which you will present a few sections (next slides). These sections are compulsory in a standard research proposal for the Computing department.
- There is no word count for the slide presentation, and there is no fixed word count for the oral presentation/transcripts. However....
- **Charts /visual /speed /clarity /captions etc.**
- For MSc students: **You do not need to submit your Project Outline until Unit 2 of the Project module.**



Research Proposal Presentation

- Content:
 - Project Title.
 - Significance/Contribution to the discipline
 - Research Problem **OR** Research Question.
 - Aims and Objectives.
 - Key literature related to the project.
 - Methodology/Development strategy/Research Design.
 - Ethical considerations and risk assessment (as part of your ethical approval application).
 - Description of artefact(s) that will be created (if applicable).
 - Timeline of proposed activities.



Research Methods and Professional Practice – Statistics

Knowledge and Understanding weighted 25%, Use of relevant sources weighted at 5%:

- Are the major points identified?
- Are the details presented clearly?

Criticality weighted at 25%, Use of relevant sources weighted at 5%:

- Is there a critical discussion/analysis of your methodology/design?

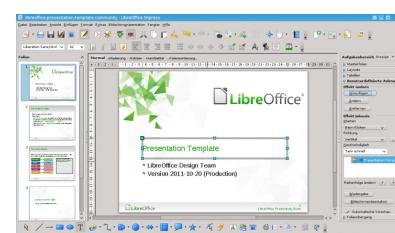
Structure and Presentation weighted at 10%:

- Is the presentation well organised?



Presentation and Communication Skills weighted at 30%:

- Is the presentation clearly introduced and concluded?
- Is the presentation well-paced and timed?
- Is the information presented clearly and concisely?
- Is the presentation style lively, fluent and engaging?



Panopto Express: A Free,
Easy, Instant Online Screen
and Video Recorder



Questions?

