

Seminar

Rules of cooperation

Mariusz Rafało

Contact details

mrafalo@sgh.waw.pl

<http://mariuszrafalo.pl>

I lead diploma works covering the following issues:

1. Data analysis using big data techniques and technologies
2. Real-time data processing
3. Data warehouse and Business Intelligence
4. Data-driven business models; business value of data
5. Quantitative research using the PLS method
6. Entrepreneurship / Corporate Entrepreneurship

Rules

Rules of cooperation (1/2)

1. To make a decision about running a job, I need short information in the format:
 - a) Planned submission date
 - b) Proposed title
 - c) Determining the purpose of the work ("The purpose of the work is ...")
 - d) Key literature (10 main items)
 - e) If I confirm the subject, the next step is to submit a declaration to VD
2. You follow the dean's office guidelines throughout the entire process
 - a) http://administracja.sgh.waw.pl/pl/DSM/praca_magisterska/standardy/Strony/default.aspx
 - b) <http://wydawnictwo.sgh.waw.pl/tekst/pomoc/>

Rules of cooperation (2/2)

1. Contents of the work outline:
 - a) Proposed title
 - b) Determining the purpose of the work ("The purpose of the work is ...")
 - c) Theoretical summary (based on key publications in a given field)
 - d) Research problem
 - e) Data and research method
 - f) Table of contents (chapters and subchapters)
 - g) Key literature (10 main items)
2. Work on the document - consultations are by email
3. We meet regularly at a seminar or individual consultations

Conditions for passing the seminar

- Prepared and approved work outline
- One work chapter ready (we will determine which one)
- Accepted scope of other chapters

Editorial guide

Sample structure of the MA thesis

- **Table of Contents**
- **Introduction [2-3 pages] - the aims of the work, research problem, hypotheses, outline of the research method**
- **Chapter I [15-20 pages] - review of the theoretical output, subject scope of the work, definitions of terms**
- **Chapter II [15-20 pages] - a synthetic approach to the subject of the study, subject scope of the study - data to be analyzed, research hypotheses and their theoretical justification**
- **Chapter III [15-20 pages] - research method, presentation of research tools and data analysis techniques**
- **Chapter IV [15-20 pages] - data analysis, verification of hypotheses**
- **Conclusion [2-3 pages] - summary, conclusions, study limitations, directions of further research, practical application of results**
- **Literature**
- **List of drawings**
- **List of Tables**
- **Attachments**
- **Summary**

References to literature (APA format)

Footnotes in the content in the author year format:

... some models were based on low AVE values: at 0.47 (Antoncica and Hisrich, 2001) or 0.52 (Wang and Zhang, 2009).

When we quote several works of a given author in one year:

This is in line with reports by A. Popovic (2012a; 2012b; 2014).

We always provide pages for books and monographs:

... the goal is to maximize ownership value (Gasparski, 2007, p. 48).

For online sources:

... as defined by Big Data (wikipedia.pl, 2017b).

More information:

<https://www.mendeley.com/guides/apa-citation-guide>

Literature

103. Hackathorn, R. (2004). The BI Watch: Real-Time to Real-Value. *DM Review*, 14(1):4–7.
104. Hair, J. F., Black, W. C., Babin, B. J., i Anderson, R. E. (2010). *Multivariate Data Analysis*. Prentice Hall, New York, 8th edition.
105. Hair, J. F., Ringle, C. M., i Sarstedt, M. (2011). PLS-SEM: Indeed a Silver Bullet. *The Journal of Marketing Theory and Practice*, 19(2):139–152.
-
199. Wikipedia (2014). *Grywalizacja*. <http://pl.wikipedia.org/wiki/Grywalizacja>. 2014-11-04.

Literature - rules

- Bibliography should be sorted alphabetically by surname
- The bibliography should be numbered
- Each item in the bibliography must be used at work
- Each reference in the work must be included in the bibliography

Numeration

Chapters:

- 2 The idea of entrepreneurship
 - 2.1 Entrepreneurship as an attitude
 - 2.1.1 Says' approach

Drawings / Diagrams / Tables:

Figure 6-1: Selected Big Data components

Source: own study

Numeration

We avoid situations when there is only one section in the chapter:

2 The idea of entrepreneurship

2.1 Entrepreneurship as an attitude

2.1.1 J.B. approach Say's

2.2 Corporate entrepreneurship

Formulas

$$X_{jk} = \lambda_{0jk} + \lambda_{jk}LV_j + \epsilon_{jk} \quad (4.1)$$

gdzie:

X_{jk} = zmienna obserwowalna nr k , przypisana do zmiennej ukrytej LV_j

λ_{0jk} = wyraz wolny

λ_{jk} = wielkość wpływu zmiennej ukrytej LV_j na zmienną obserwowalną X_{jk}

LV_j = zmienna ukryta nr j

ϵ_{jk} = wariancja nie pochodząca od zmiennych objaśniających (błąd)

Rules for editing text

- Each diagram / drawing / table must bear a number
- Each diagram / drawing / table must be referenced in the text (Table 4.3 represents ..., we do not use formulations such as the following table ...)
- We use scientific language, avoid colloquial wording, write impersonally
- We do not use value formulations (a better approach is presented ..., the best technology is ..., the most popular approach is ...)
- We do not use colloquial expressions (it is known that ... some)
- Each sentence must follow logically from the previous sentence

Summary

Useful tools and software

- Reference managers
 - Mendeley
 - JabRef
- Editor
 - LaTeX
 - Overleaf
 - MS Word (->PDF)
- Git
- Programming
 - Apache Spark/Kafka/Hive/HBase/...
 - SQL/PL-SQL/...
- Data analysis
 - R
 - Python

Organization

- Send documents in doc or pdf format (work, outline), adding the version number to the end of the document name; e.g. Adam Kowalski - outline v.1.0.pdf
- I am available to you via e-mail and individual consultations
- Take care of the process at the Dean's office: take care of deadlines, formalities and delivery of relevant documents

Literature

- U. Eco How to Write a Thesis, MIT Press , 2007
- D. Farkas Finish your thesis faster, Dorak Farkas,
[https://finishyourthesis.com/fyt-wpcontent/uploads/2015/07/Finish Your Thesis Faster Dora Farkas PhD new.pdf](https://finishyourthesis.com/fyt-wpcontent/uploads/2015/07/Finish_Your_Thesis_Faster_Dora_Farkas_PhD_new.pdf)

Good luck 😊