

UNIVERSITY NAME

DOCTORAL THESIS

Thesis Title

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“Thanks to my solid academic training, today I can write hundreds of words on virtually any topic without possessing a shred of information, which is how I got a good job in journalism.”

Dave Barry

UNIVERSITY NAME (IN BLOCK CAPITALS)

Abstract

Faculty Name

Department or School Name

Doctor of Philosophy

Thesis Title

by John SMITH

The Thesis Abstract is written here (and usually kept to just this page). The page is kept centered vertically so can expand into the blank space above the title too...

Acknowledgements

The acknowledgements and the people to thank go here, don't forget to include your project advisor...

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Abbreviations

EA Enterprise Architecture

For/Dedicated to/To my...

Chapter 1

Introduction

In this chapter my goal is to give a general introduction on the latest trends in EA. Eg. EA is moving from IT alignment to system in environment.

Chapter 2

Literature Review

2.1 EA research

Position the paper related to EA work. Eg. Three schools of thought.

2.2 Innovation research

Position the paper related to innovation work.

2.3 EA tools for innovation research

Position the paper in the context of EA tools for assess innovation.

2.4 Contribution

Contribution - Synthesis and integration of the literature on innovation at an adequate level of detail for applying innovation knowledge in the context of EA. Synthesis of the key concepts of innovation. Creation of an assessment tool: framework, questionnaire and codebook. Test of the tool in a real world environment.

Chapter 3

Methodology

3.1 Design Science

Design science research methodology that it has been used to create the assessment tool.

3.1.1 Construction

How it has been done the literature review of reviews on innovation. Search words in the tile, abstract and keywords: *review innovation, meta-review innovation*. Databases: *Scopus, Inspect and Compendex, Science Direct* Synthesis of the key concepts Design of framework: grouping of the common theories, identify definitions for each element of the framework that are coherent with the rest of the literature. Construction of questionnaire. Funneling approach.

3.1.1.1 Codebook

One of the key components of the tool that I have designed is the codebook. This artifact is a set of codes, definitions, and examples used as a guide to help analyze interview data. It is essential to analyzing qualitative research because it provides a formalized operationalization of the codes [1].

Following the processes and suggestions written by DeCuir-Gunby et al. [1] and MacQueen et al. [2] I have constructed the codebook used in this project. I have developed only theory-driven codes since in this project I am identifying and synthesizing concepts from the theory and checking their presence in a real world environment. As explained in one of the guides cited above [1], when creating theory-driven codes three steps are generally executed: (1) generate the code, (2) review and revise the code in context of

the data, and (3) determine the reliability of the code.

Generating a first version of the codes has been a straight forward process. In fact, I have assigned as labels of the code the name of the that element in the framework (e.g. Administrative innovation) and as definition I have used the one in the framework. Only for the codes in the determinant section I had to find a definition of that element since neither the framework and articles had it. Most of the time I have found a clear concise definition on the internet and I've used that one.

I haven't determined the reliability of the codes using a statistical technique since all the practices explained in the cited papers require multiple coders and I have been working alone in this project. Though the codes reliability and consistency has been check in a series of meetings with James Lapalme.

3.1.2 Evaluation

Evaluation of the tool.

Chapter 4

Analytical tool

4.1 Framework

Describe how I've generated the framework using different definitions and concepts that are presented in the literature and describe how I have grouped them.

Description of the framework.

4.2 Questionnaire

Description of the questionnaire.

4.3 Codebook

Description of the codebook.

Chapter 5

Evaluation at Cisco

5.1 Cisco's EA team

Introduction on Cisco and the people involved in the project.

5.2 Results of the assessment tool

Describe the results.

Chapter 6

Discussion

6.1 Analysis of the results

Analysis of the results.

6.2 Challenges of the project

Present the challenges creating the tool

6.3 Limitations of the project

As explained in [3.1.1](#) one important limitation of this project is that no statical technique has been applied to control on the reliability of the codes. Through a series of meetings with James Lapalme we have checked the reliability and consistency of the codes.

6.4 Feedback from the EA team

Include the feedback from Cisco.

Chapter 7

Conclusion

Write the conclusions.

7.0.1 Future work

Bibliography

- [1] Jessica T DeCuir-Gunby, Patricia L Marshall, and Allison W McCulloch. Developing and using a codebook for the analysis of interview data: An example from a professional development research project. *Field Methods*, 23(2):136–155, 2011.
- [2] Kathleen M MacQueen, Eleanor McLellan, Kelly Kay, and Bobby Milstein. Codebook development for team-based qualitative analysis. *Cultural Anthropology Methods*, 10(2):31–36, 1998.