Plan Overview

A Data Management Plan created using DMPonline

Title: Educators and Students in Entrepreneurship Education

Creator: Saskia Stoker

Principal Investigator: Saskia Stoker

Data Manager: Saskia Stoker

Project Administrator: Saskia Stoker

Contributor: Svetlana Khapova, Ingrid Wakkee

Affiliation: Amsterdam University of Applied Sciences (Hogeschool van Amsterdam)

Funder: Netherlands Organisation for Scientific Research (NWO)

Template: Data Management Plan NWO (September 2020)

Project abstract:

ABSTRACT

That entrepreneurship education (EE) is shaped by masculine norms has been widelydemonstrated in the literature. This paper complements this knowledge by combining two qualitative research methods to understand how gender and entrepreneurial roles are challenged and reinforced by students and educators in EE.

Method - The case comprises 36 interviews with EE students (n = 25) and EE educators (n = 11) from different faculties. A learning environment where undergraduate students from different EE minors (general, social, and tech entrepreneurship) meet and work on their projects with educators was used for observations (t = 15). We analysed all qualitative datasets (MaxQda) by employing Deterding and Waters' (2021) 'flexible coding'.

Findings – A masculine image still prevails in EE, yet how students and educators personally think about gender roles is moving towards diversifying the gender stereotype of entrepreneurs. This change is recognisable in the perceptions of the students enrolled in EE and among the educators who teach them. This trend is weakening the male stereotype of entrepreneurs.

Originality - This research contributes to the field by challenging existing notions of the masculine image of EE. The findings reveal that the associations between entrepreneurship and male attributes are shaped more by societal viewpoints than by pedagogy. Additionally, the work underscores the importance of embracing individual motivations for entrepreneurship while acknowledging gendered disparities in entrepreneurial support and resource access.

ID: 101486

Start date: 25-09-2022

End date: 31-12-2024

Last modified: 01-02-2024

Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customise it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

Educators and Students in Entrepreneurship Education

General Information

Name applicant and project number

Name applicant = Saskia Stoker
Project number = not yet available

Name of data management support staff consulted during the preparation of this plan and date of consultation.

Dr. Khadjavi Pour (k.c.khadjavipour@vu.nl)

1. What data will be collected or produced, and what existing data will be re-used?

1.1 Will you re-use existing data for this research?

If yes: explain which existing data you will re-use and under which terms of use.

- Yes

The current project (entrepreneurship & education) is part of a PhD-project (embedding women entrepreneurs) that started in 2021. For the purpose of the current study, both re-used and original datasets will be used.
Within the study: re-used data from a European Erasmus+ project will be used and personal data will be collected. All the datafiles that will be processed within the current study do not include data that can be directly linked to a specific individual, since these variables have been omitted by the researchers/research assistant. However, by combining information, it may be possible to identify a specific individual, which is why we will need to be extra careful in regards to data sharing (see Data archiving and publishing).
For the purpose of the current study, the following, possible identifiable, data will be used:
- Gender
- Country of origin (although the majority is Dutch)
- Student or Educator

1.2 If new data will be produced: describe the data you expect your research will generate and the format and volumes to be collected or produced.

Most data is already collected prior to this PHD-project in light of a Erasmus+ project called WeRin (www.werinproject.eu) 2021-2023. The data that is collected, will first be pseudonymized by the PhD-candidate before it will be used for the purpose of the current study.
All other data is collected using semi-structured questionnaires (.docx), but additional data is collected conducting observations by the PhD-candidate.
These two methods will be transferred into qualitative data-analysis software (MaxQda) and after that coded. The current study deals with transcribed interviews and written observations / memo's / reflexivity notes.
Name source:
For the purpose of the current study, the following existing data will be used:

- Country of origin (although the majority is Dutch)
- Gender
- Age

1.3. How much data storage will your project require in total?

- 10 – 100 GB

The entire study cohort consists of 45 in-depth interviews from a re-used dataset from the WeRin-project. Specifically, after matching the criteria the study included 36 interviews with participants from various Dutch HEIs that offer different educational programmes ranging from Business and Economics to Health Care, Technology, and Creative Industries. The participants were selected using snowball sampling, and the first and second authors' networks were employed as starting points. Following the interviews, the authors selected several respondents to include in the analysis based on the quality of the interviews and the representativeness of the respondents. The final data set included 25 EE students and 11 entrepreneurship educators. The interviews were conducted during spring 2021 and were recorded, with verbal and written consent, in a face-to-face online setting. An interview protocol with semi-structured questions based on social role theory topics facilitated cross-interview comparisons. All interviews were transcribed verbatim.

In the new data set, is collected within one of the higher educational institutions in The Netherlands. Specifically, ten events were observed during the Fall semester between September 2022 and January 2023 (t = 15 hours). The observations focused on how gender is 'done' in the context of this learning environment—that is, how student entrepreneurs, their peers, and the educators talked and socialised with each other in the learning environment. Notes were made during the sessions, and more extensive observation reports were produced in critical reflexive journals (field notes and reflexive memos) following the observation sessions (Cunliffe, 2016).

Raw data / Processed data
Data asset: Data spreadsheet

Description: Word (docx & pdf) & MaxQda files including only those interviews that may be relevant for the current project
Format: Docx & MX

Analyzed data:
Data asset: Data spreadsheet
Description: Cleaned and processed MaxQda files
Format: .MX

Other:
Research documentation: Tables
Analysis software: Word (Docx, pdf)
Research documentation: Tables
Analysis software: Excel (xlsx, pdf)
Research documentation: Logbooks
Analysis software: Word (Docx)
Research documentation: Manuscripts
Analysis software: Word (Docx)

2. What metadata and documentation will accompany the data?

2.1 Indicate what documentation will accompany the data.

- For qualitative data collections
  - Transcriptes of the interviews
  - Excel file with key information of participants (age, gender, education, place of residence);
  - Textual observations
  - Field notes / Memo's

2.2 Indicate which metadata will be provided to help others identify and discover the data.

Topic list for entrepreneurship educators

- Introduction
- Role models
- Social role theory
- TPB: PBC / self-efficacy
- TPB: attitude
- TPB: social norms
- Social Safety
- Networks & access to institutional parties

Topic list for students enrolled in entrepreneurship ecucation

- Introduction

- Role models
- Social role theory
- TPB: PBC / self-efficacy
- TPB: attitude
- TPB: social norms
- Social Safety
- Networks & access to institutional parties

3. How will data and metadata be stored and backed up during the research?

3.1 Describe where the data and metadata will be stored and backed up during the project.

- Other (please specify)

The University of Applied Sciences Amsterdam (AUAS) has a license to use Research Drive for data management (secured archive) and it is expected that all data can be safely stored there during the research period and additionally after the PhD-project (where this study is part of) as well. A Research Drive account has already been made and additionally, it is expected that these facilities will be sufficient.

3.2 How will data security and protection of sensitive data be taken care of during the research?

- Default security measures of the institution networked research storage

Although the data is pseudonymized, it is still personal / sensitive data.

4. How will you handle issues regarding the processing of personal information and intellectual property rights and ownership?

4.1 Will you process and/or store personal data during your project?

If yes, how will compliance with legislation and (institutional) regulation on personal data be ensured?

- Yes

Although the data is pseudonymized, it is still personal / sensitive data.

4.2 How will ownership of the data and intellectual property rights to the data be managed?

Owner of the data WeRin dataset that is re-used: Amsterdam University of Applied Sciences (AUAS). All WeRin-partners have access to data in Research Drive since it is a multi-partner project. Though the data is in Dutch and not accessible for the other consortium partners.
Owner of the new data used: Free University (VU). The PhD-candidate has access to the data in Research Drive. Since it is a single-partner project element.
Intellectual property rights: NO

5. How and when will data be shared and preserved for the long term?

5.1 How will data be selected for long-term preservation?

- All data resulting from the project will be preserved for at least 10 years

The datasets that are used for the purpose of the current study will be archived for 10 years after the last publication, but this does not apply to the original datasets within the WeRin project (those may be even archived indefinitely).

5.2 Are there any (legal, IP, privacy related, security related) reasons to restrict access to the data once made publicly available, to limit which data will be made publicly available, or to not make part of the data publicly available?

If yes, please explain.

- Yes

Yes, in order to protect the anonymity of participants only anonymized datasets will be published openly. Other (pseudonymized) datasets will not be shared publicly, but they may be accessed upon request.

5.3 What data will be made available for re-use?

- Other (please specify)

After publishing an article, the related dataset will be shared on DataVerseNL, but only if anonymization is truly possible. Otherwise, only the existence of the dataset will be registered on PURE.

5.4 When will the data be available for re-use, and for how long will the data be available?

- Data available as soon as article is published

In line with the FAIR approach the metadata publicly available and provide information about the conditions for accessing the data itself.

5.5 In which repository will the data be archived and made available for re-use, and under which license?

Once the manuscripts have been published the data assets will be registered in PURE Research Portal, on the VU Research Portal.

5.6 Describe your strategy for publishing the analysis software that will be generated in this project.

The specific steps taken during the data processing and analyzing, as well as the thought processes behind those, are described in memo's and logbooks in MAXQDA that are saved as Docx-files.
All the codebooks and coded datasets are saved in .mxda files.

6. Data management costs

6.1 What resources (for example financial and time) will be dedicated to data management and ensuring that data will be FAIR (Findable, Accessible, Interoperable, Re-usable)?

Storage costs: We do not expect any storage costs.
Costs for research data management support: We do not expect any data management costs.
Time invested in RDM: 16 hours (writing the DMP), 16x4 hours (publishing datasets related to each sub-study), 16x4 hours (archiving each sub-study), and on average 1 hour/week (other RDM tasks).

Costs for Open Access publication: depending on the journal, publishing an open access article may cost up to €3000. However, since this process is part of a PhD-trajectory the work will be published in a special issue of the Journal of Entrepreneurial Behavior and Research which means the costs are covered as part of a agreement with Emerald and the VU for PhD-students.