Consideration sets on the marriage market

A Data Management Plan created using DMPonline.be

Creator: Wietse Leleu

Affiliation: KU Leuven (KUL)

Funder: Fonds voor Wetenschappelijk Onderzoek - Research Foundation Flanders (FWO)

Template: FWO DMP (Flemish Standard DMP)

Grant number / **URL:** 11C4723N

ID: 189811

Start date: 01-10-2020

End date: 31-10-2026

Project abstract:

This research proposal aims to combine search behavior with matching on the marriage market. Specifically, I want to integrate the notion of consideration sets (e.g., see Demuynck and Seel, 2018) in the analysis of matching on the marriage market. By doing so, I want to contribute to the literature that tries to identify the sharing rule (more precisely), where this sharing rule expresses how resources are distributed within the household. This type of research is highly relevant from a policy point of view because it is very important to understand who consumes what and how consumption is distributed. In this way, better policy recommendations can be formulated which may reduce inequality and poverty within households. Practically, I will 1) redefine consideration sets within a framework introduced by Cherchye, Demuynck, De Rock and Vermeulen (2017), who combined the theory of revealed preferences applied to the collective model with the notion of a stable marriage market (by means of this novel framework, one can identify the sharing rule between spouses under minimalistic assumptions), 2) introduce the concept of revealed consideration sets by applying a directed search model to the marriage market and 3) apply the revealed consideration sets in a revealed preference framework.

Last modified: 28-04-2023

Consideration sets on the marriage market
FWO DMP (Flemish Standard DMP)

1. Research Data Summary

List and describe all datasets or research materials that you plan to generate/collect or reuse during your research project. For each dataset or data type (observational, experimental etc.), provide a short name & description (sufficient for yourself to know what data it is about), indicate whether the data are newly generated/collected or reused, digital or physical, also indicate the type of the data (the kind of content), its technical format (file extension), and an estimate of the upper limit of the volume of the data.

				Only for digital data	Only for digital data	Only for digital data	Only for physical data
Dataset Name	Description	New or reused	Digital or Physical	Digital Data Type	Digital Data format	Digital data volume (MB/GB/TB)	Physical volume
LISS	Survey data of households	Reuse existing data	Digital	Observational	• .dta • .txt	<100MB	
PSID	Survey data of households	Reuse existing data	Digital	Observational	• .dta • .txt	<100MB	
ACS	Survey data of households	Reuse existing data	Digital	Observational	• .dta • .txt	<100MB	

If you reuse existing data, please specify the source, preferably by using a persistent identifier (e.g. DOI, Handle, URL etc.) per dataset or data type:

LISS: https://www.lissdata.nl/
PSID: https://psidonline.isr.umich.edu/

Are there any ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use)? Describe these issues in the comment section. Please refer to specific datasets or data types when appropriate.

- No

Will you process personal data? If so, briefly describe the kind of personal data you will use in the comment section. Please refer to specific datasets or data types when appropriate.

- No

Does your work have potential for commercial valorization (e.g. tech transfer, for example spin-offs, commercial exploitation, …)? If so, please comment per dataset or data type where appropriate.

- No

Do existing 3rd party agreements restrict exploitation or dissemination of the data you (re)use (e.g. Material/Data transfer agreements/ research collaboration agreements)? If so, please explain in the comment section to what data they relate and what restrictions are in place.

- No

Are there any other legal issues, such as intellectual property rights and ownership, to be managed related to the data you (re)use? If so, please explain in the comment section to what data they relate and which restrictions will be asserted.

- No

2. Documentation and Metadata

Clearly describe what approach will be followed to capture the accompanying information necessary to keep data understandable and usable, for yourself and others, now and in the future (e.g., in terms of documentation levels and types required, procedures used, Electronic Lab Notebooks, README.txt files, Codebook.tsv etc. where this information is recorded).

For each project, I will create a README file to provide an overview of the file structure. The README will contain step-by-step instructions on which files to open to obtain specific results. Additionally, within each file (such as a Stata do-file containing code), I will include explanations for each command, outlining what happens when it is executed. Finally, I will create a codebook to clarify all variable names used in the code.

Will a metadata standard be used to make it easier to find and reuse the data? If so, please specify (where appropriate per dataset or data type) which metadata standard will be used. If not, please specify (where appropriate per dataset or data type) which metadata will be created to make the data easier to find and reuse.

- Yes

I am planning to use the Data Documentation Initiative (DDI) metadata standard, which is widely accepted as the standard for documenting social science research data. For each dataset, I will create metadata according to the DDI standard. This metadata will include details such as the title of the dataset, the date of creation, the researcher or organization responsible for creating the data, the methodology used, and any specific variables or units used. I will also ensure that the metadata is machine-readable, so it can be easily searched and discovered.

3. Data storage & back-up during the research project

Where will the data be stored?

The recommended storage location for the data is Teams (OneDrive), in accordance with the Storage Guide of KU Leuven. This platform is freely available for KU Leuven staff and offers a maximum storage capacity of 5 TB (which is sufficient for my research data). As stated in the Storage Guide, Teams (OneDrive) provides a moderate level of protection, which is appropriate for my research data as it does not include any sensitive information.

How will the data be backed up?

All the data files will be uploaded in Teams (OneDrive). In terms of availability, Microsoft guarantees 99,9% uptime. KU Leuven does not provide any additional backups beyond the measures that Microsoft provides as standard to protect the data.

Is there currently sufficient storage & backup capacity during the project? If yes, specify concisely.
If no or insufficient storage or backup capacities are available, then explain how this will be taken care of.

- Yes

Data files have a very low volume. Teams (OneDrive) has a maximum storage capacity of 5 TB (which is sufficient for my research data).

How will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?

As stated in the Storage Guide, Teams (OneDrive) provides a moderate level of protection, which is appropriate for my research data as it does not include any sensitive information. To get a notion of how secure data can be stored on this platform, the Storage Guide of the KU Leuven provides the following explanation: "A Teams-site is suitable for strictly confidential data, as long as multifactor authentication with the KU Leuven Authenticator app is activated."

What are the expected costs for data storage and backup during the research project? How will these costs be covered?

Teams (OneDrive) is free to use for KU Leuven staff.

4. Data preservation after the end of the research project

Which data will be retained for at least five years (or longer, in agreement with other retention policies that are applicable) after the end of the project? In case some data cannot be preserved, clearly state the reasons for this (e.g. legal or contractual restrictions, storage/budget issues, institutional policies...).

Following KU Leuven's data storage requirement, all data related to the project (including raw data, code files and metadata) will be stored for a period of 10 years after the project's completion.

Where will these data be archived (stored and curated for the long-term)?

KU Leuven's Research Data Repository (RDR) is a good option to store my data for the long-term. RDR is built on Dataverse, an open source repository software built by Harvard University. RDR gives KU Leuven researchers a one-stop platform to upload, describe, and share their research data, conveniently and with support from university staff.

What are the expected costs for data preservation during the expected retention period? How will these costs be covered?

Every researcher can store 50 GB per year for free on the KU Leuven's Research Data Repository. This will be sufficient to store my data.

5. Data sharing and reuse

Will the data (or part of the data) be made available for reuse after/during the project? In the comment section please explain per dataset or data type which data will be made available.

- Other, please specify:

Obtaining the raw data sets for each project is easy, as they can be obtained from the websites of the data collectors. Therefore, there is no need to provide them (as it is also not allowed by the data collectors). Additionally, the metadata and code files will be accessible to other researchers, either via the journal's webpage if the paper is published, or through my personal website if permitted by the journal.

If access is restricted, please specify who will be able to access the data and under what conditions.

/

Are there any factors that restrict or prevent the sharing of (some of) the data (e.g. as defined in an agreement with a 3rd party, legal restrictions)? Please explain in the comment section per dataset or data type where appropriate.

- Yes, Other

Obtaining the raw data sets for each project is easy, as they can be obtained from the websites of the data collectors. Therefore, there is no need to provide them (as it is also not allowed by the data collectors).

Where will the data be made available? If already known, please provide a repository per dataset or data type.

KU Leuven's Research Data Repository (RDR) is a good option to share my data for all of my projects. RDR is built on Dataverse, an open source repository software built by Harvard University. RDR gives KU Leuven researchers a one-stop platform to upload, describe, and share their research data, conveniently and with support from university staff.

When will the data be made available?

The data (code and metadata) will be made available upon acceptance of a publication.

Which data usage licenses are you going to provide? If none, please explain why.

Other researchers will be given the freedom to use my code in any way they want. There, the Creative Commons Attribution License might be a suitable license.

Do you intend to add a PID/DOI/accession number to your dataset(s)? If already available, you have the option to provide it in the comment section.

- Yes

Yes, I am planning to add my data to KU Leuven's RDR. Therefore, I will be using a DIO. Nevertheless, a number is not available yet.

What are the expected costs for data sharing? How will these costs be covered?

KU Leuven's Research Data Repository (RDR) is a good option to share my data for the long-term. RDR is built on Dataverse, an open source repository software built by Harvard University. RDR gives KU Leuven researchers a one-stop platform to upload, describe, and share their research data, conveniently and with support from university staff. Every researcher can store 50 GB per year for free on the KU Leuven's Research Data Repository. This will be sufficient to store my data.

6. Responsibilities

Who will manage data documentation and metadata during the research project?

Wietse Leleu

Who will manage data storage and backup during the research project?

Wietse Leleu

Who will manage data preservation and sharing?

Wietse Leleu, Laurens Cherchye and Frederic Vermeulen

Who will update and implement this DMP?

Wietse Leleu