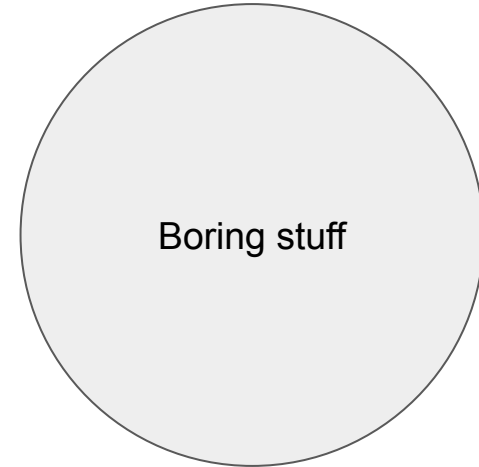


Some notes

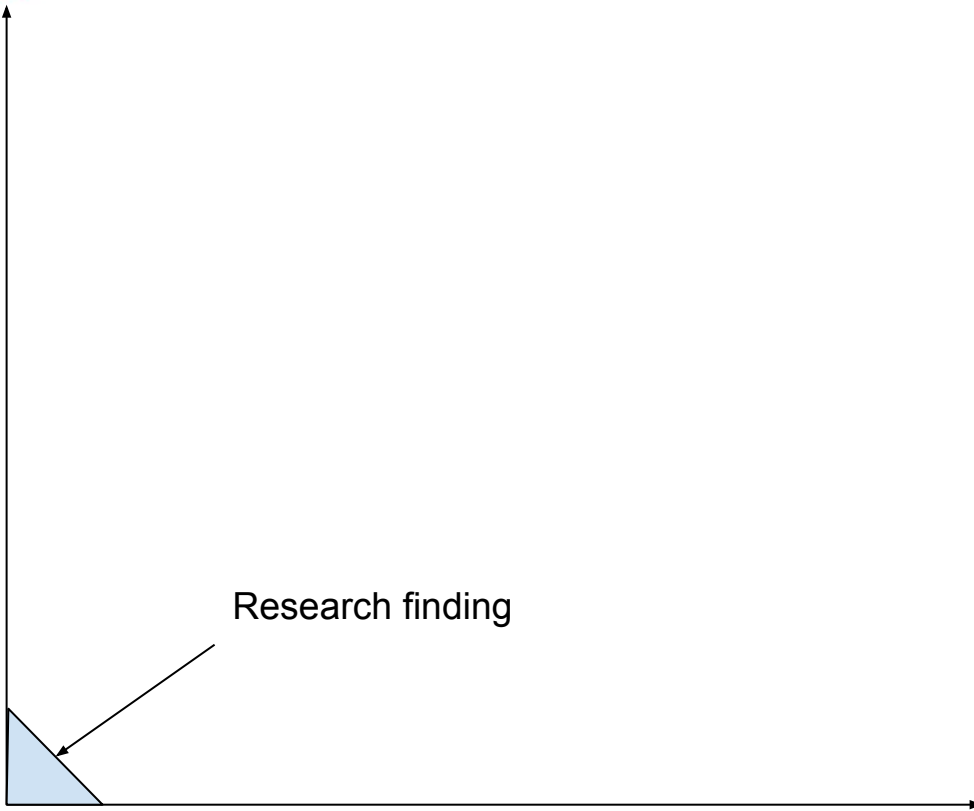
Lars Vilhuber
Cornell & AEA Data Editor

Perspectives from the academic publication process



Grounding the approach

Data

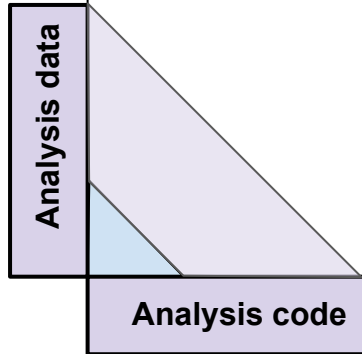


Research finding

Software



Data



Software



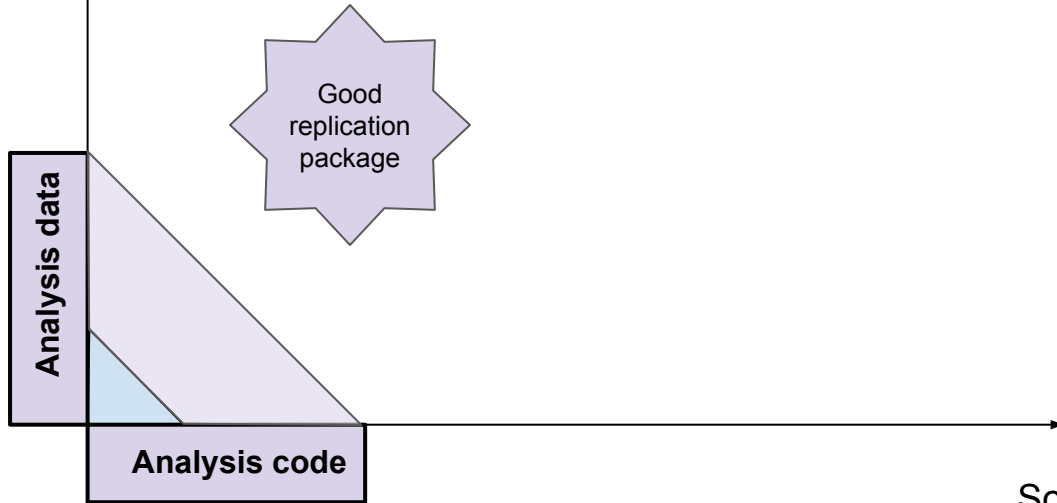
Data

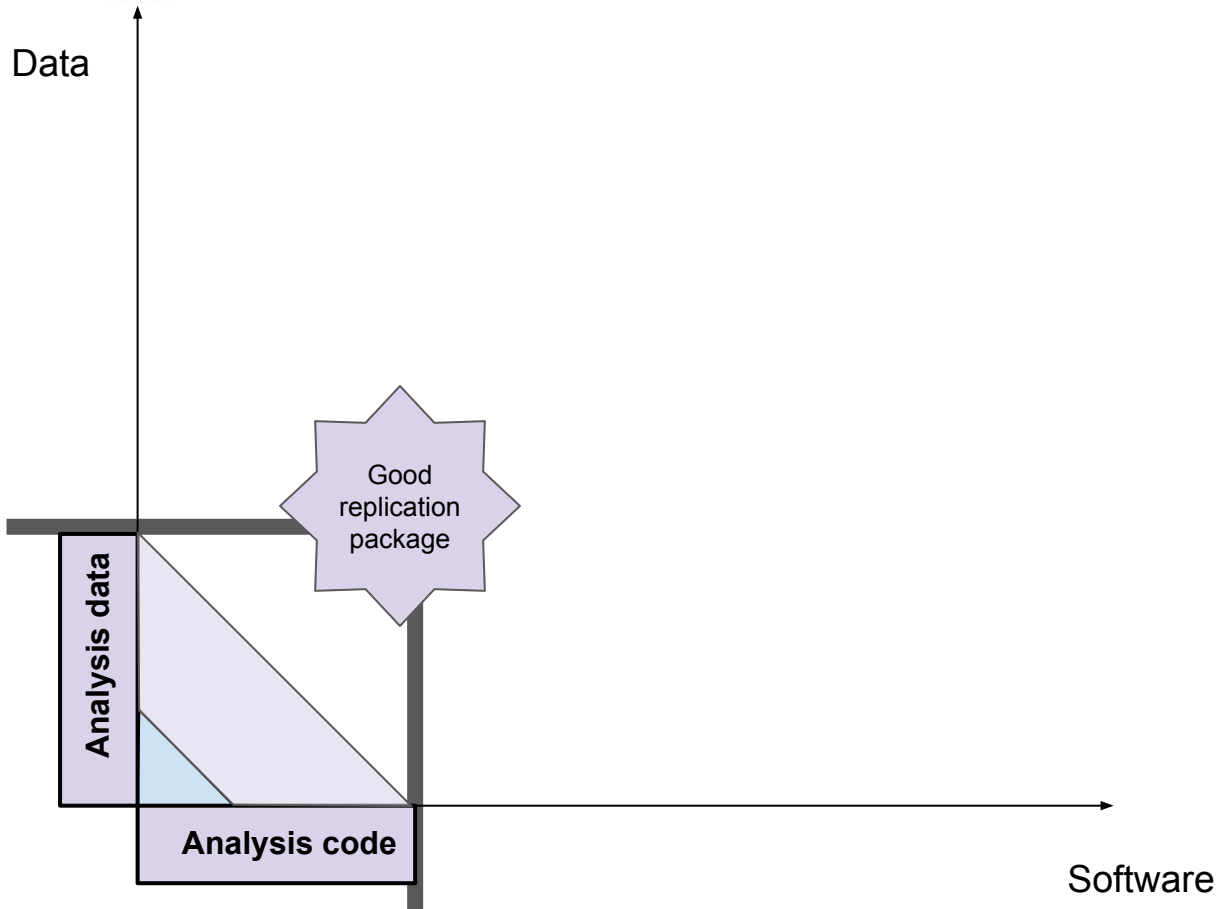
Analysis data

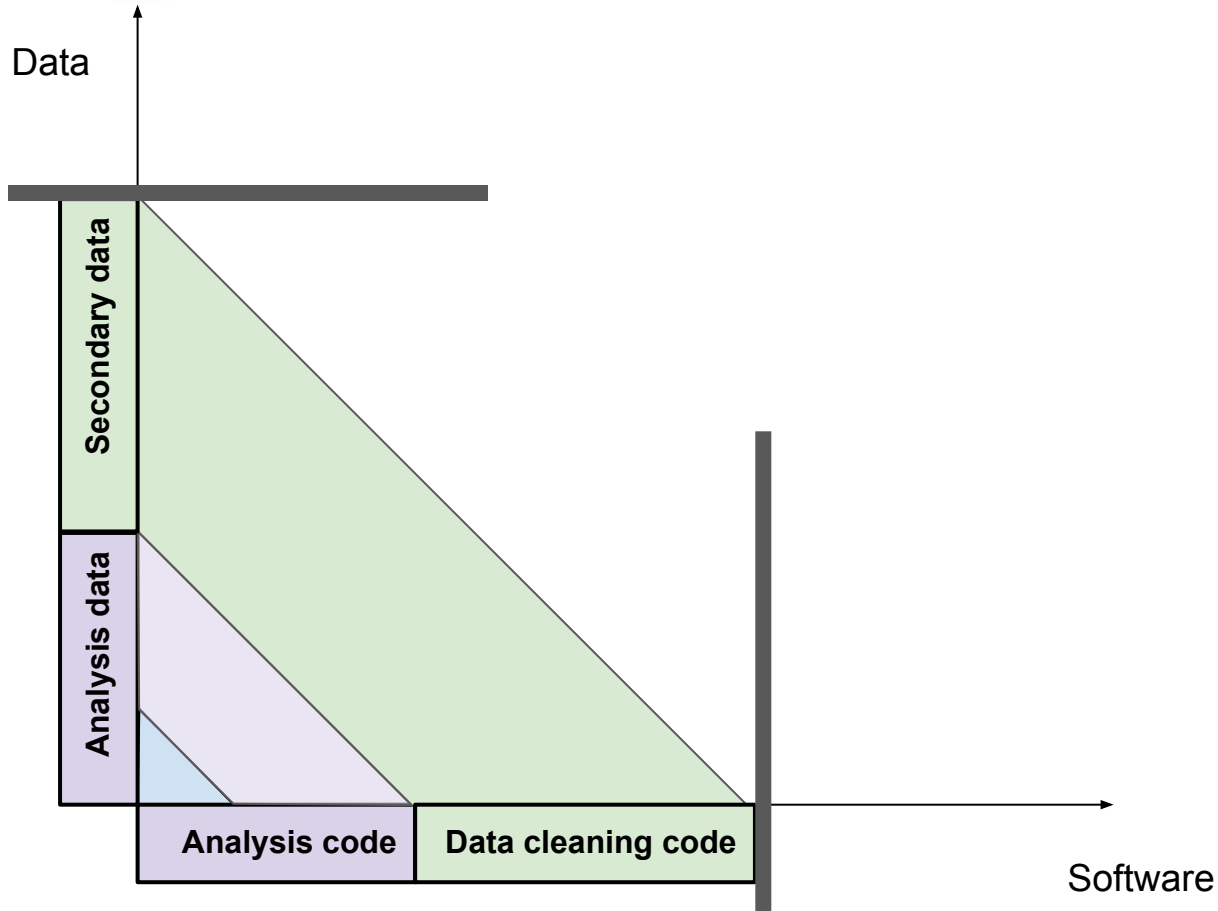
Analysis code

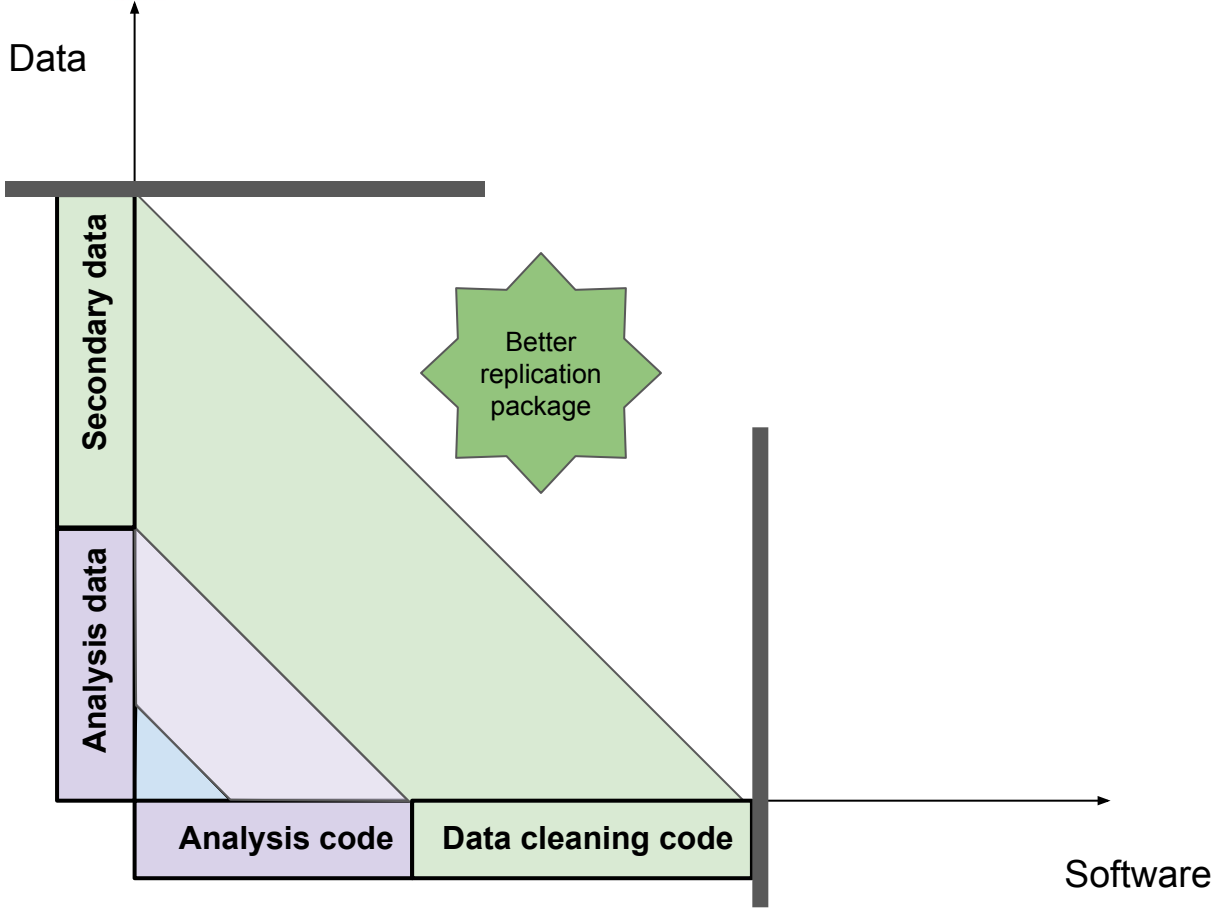
Software

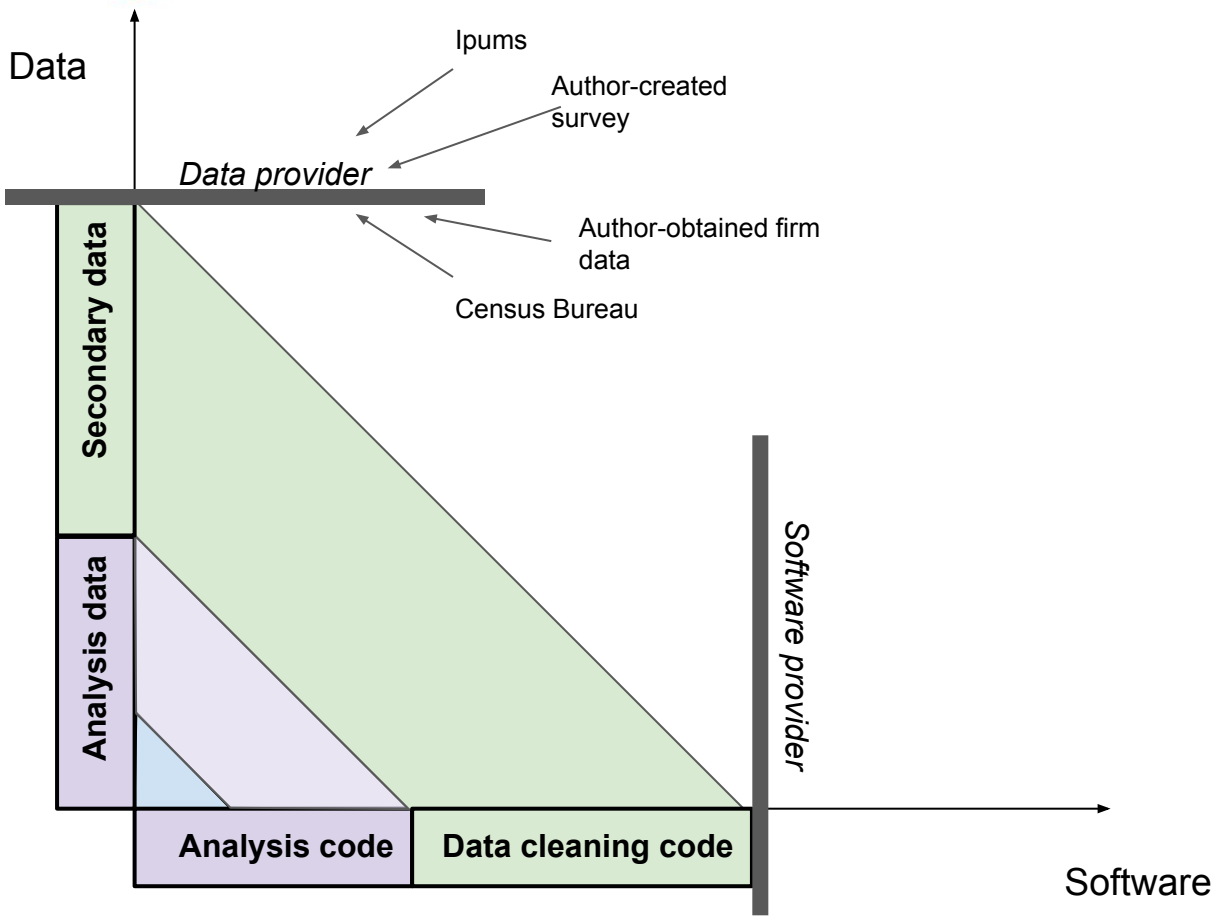
Good replication package

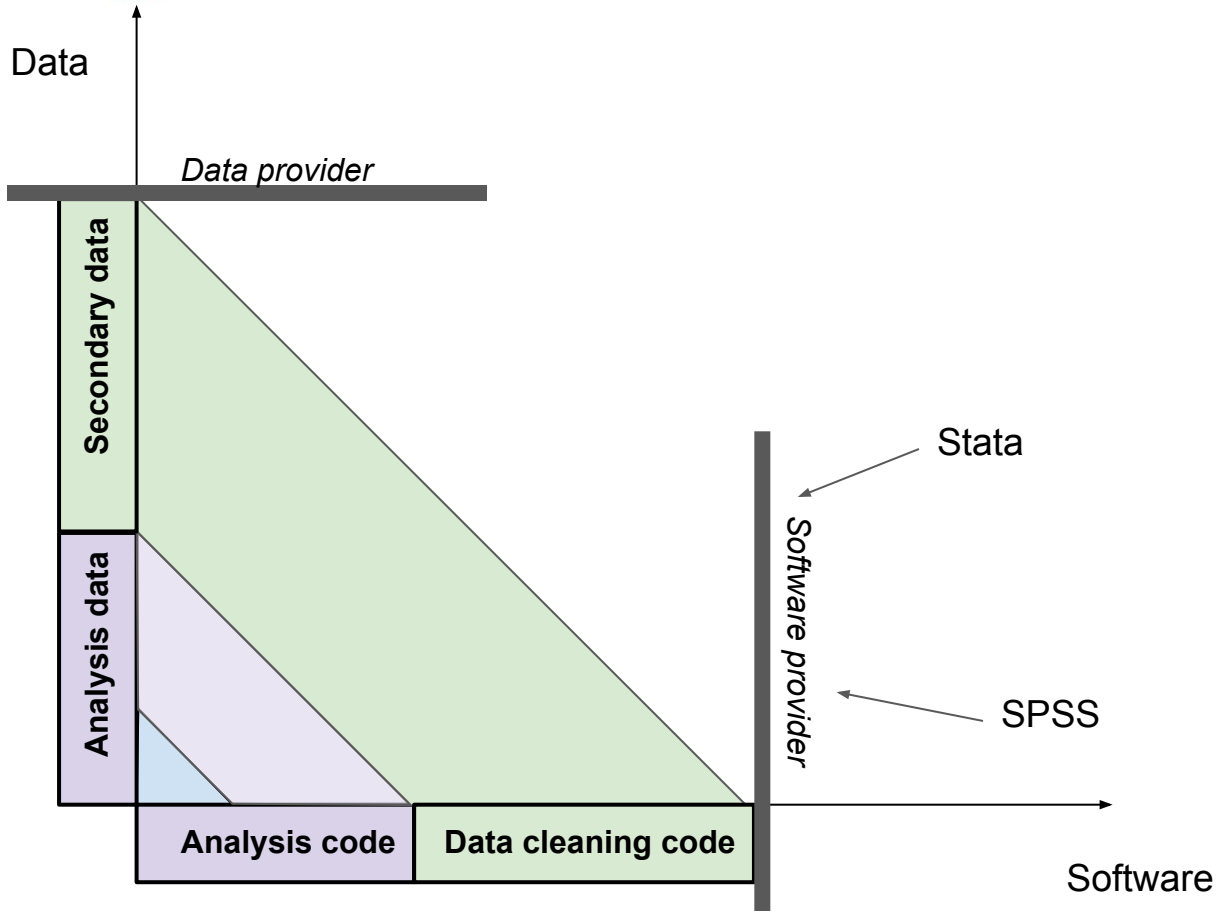


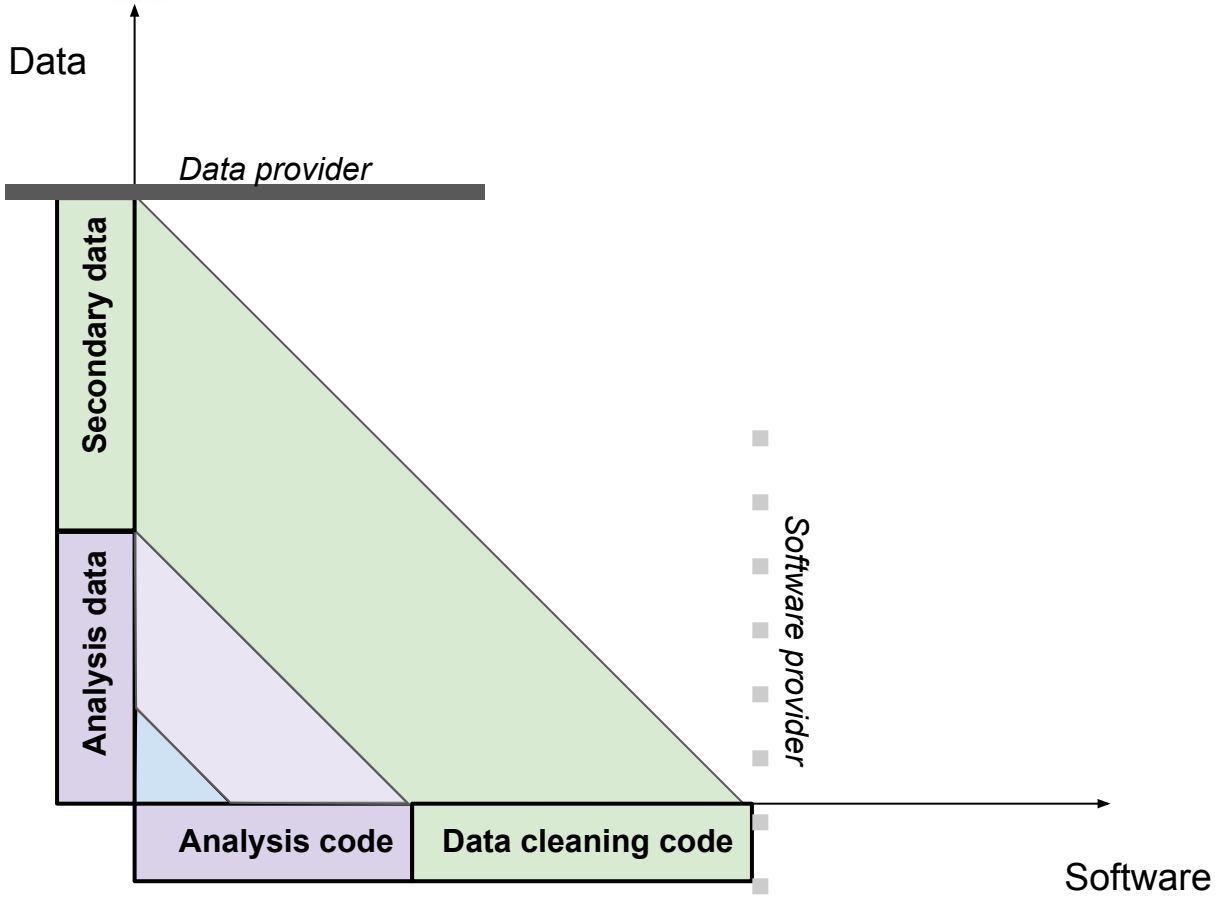


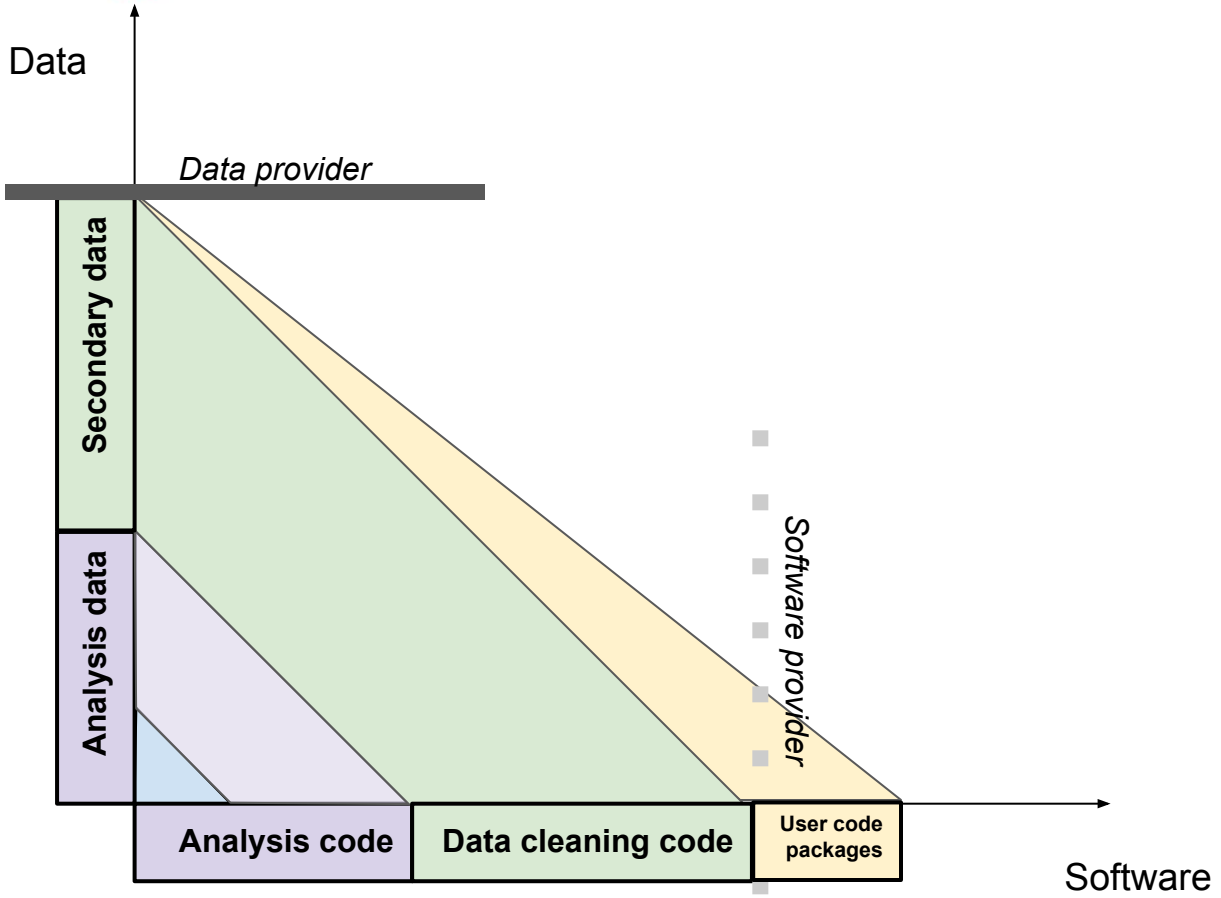


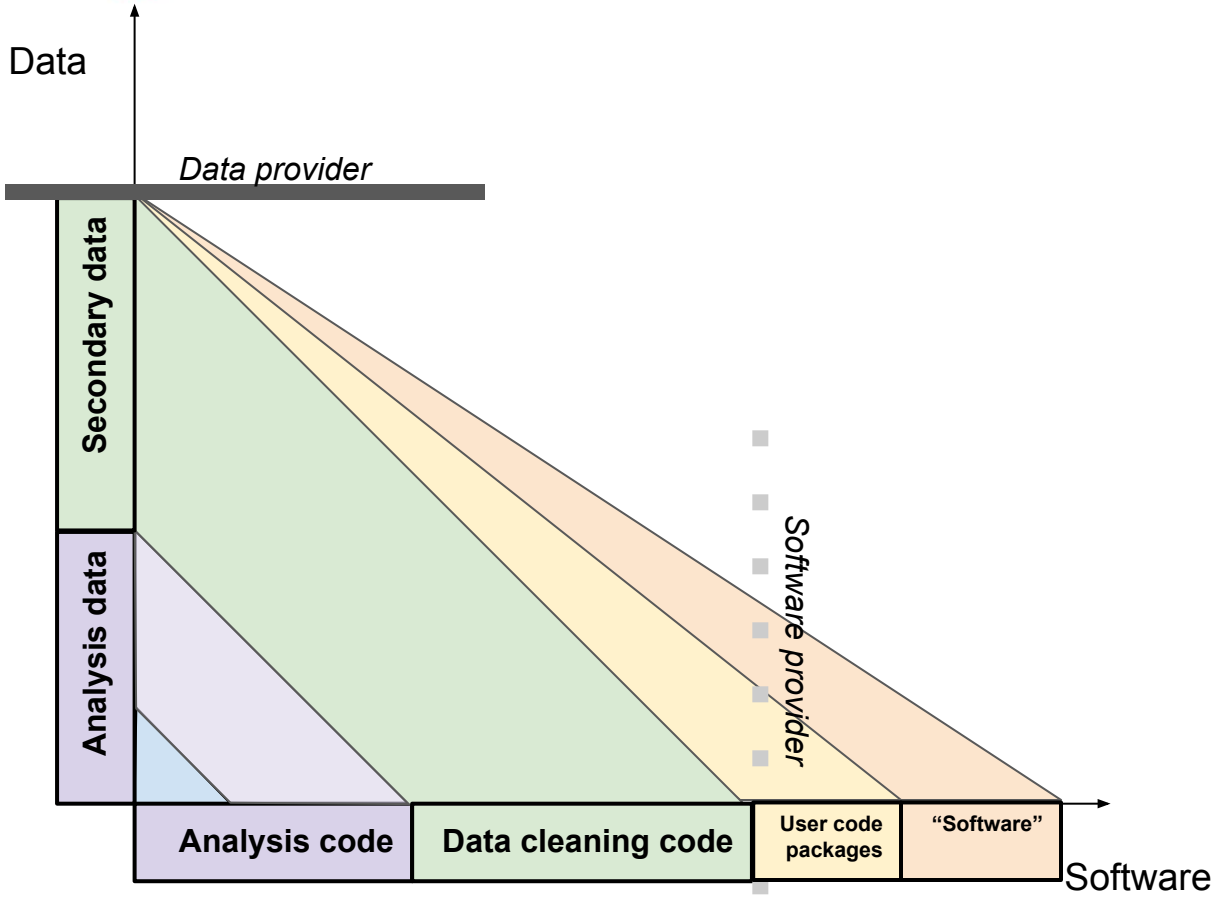


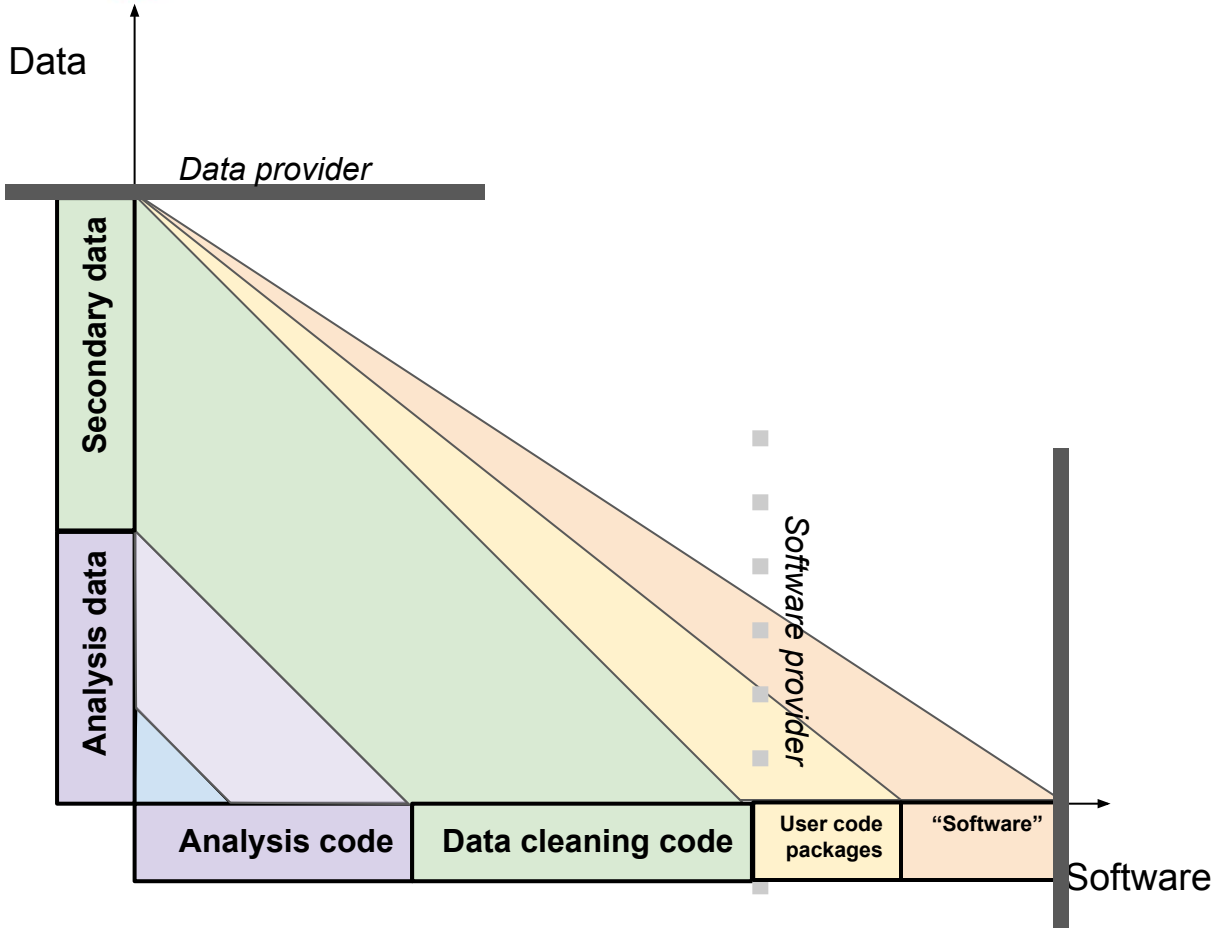


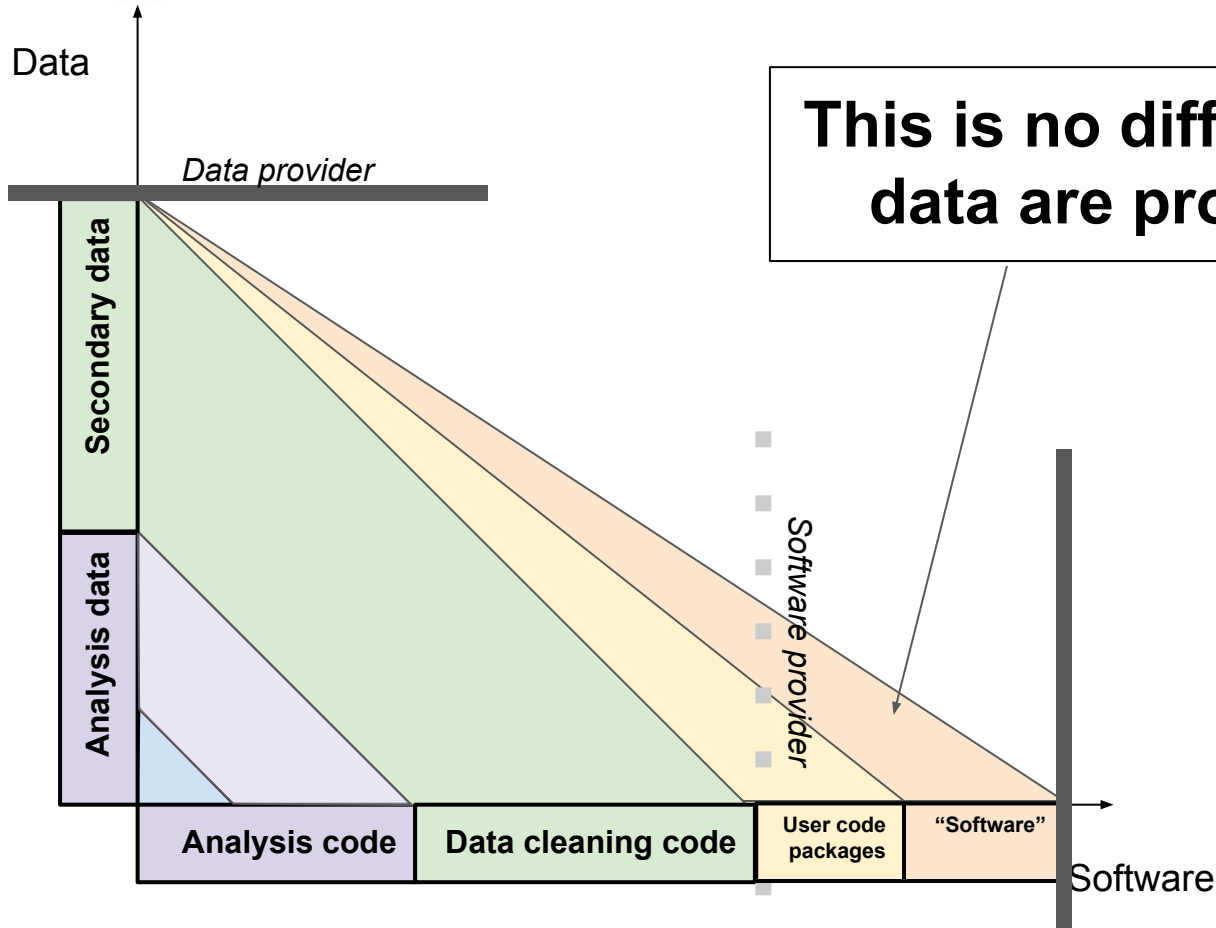


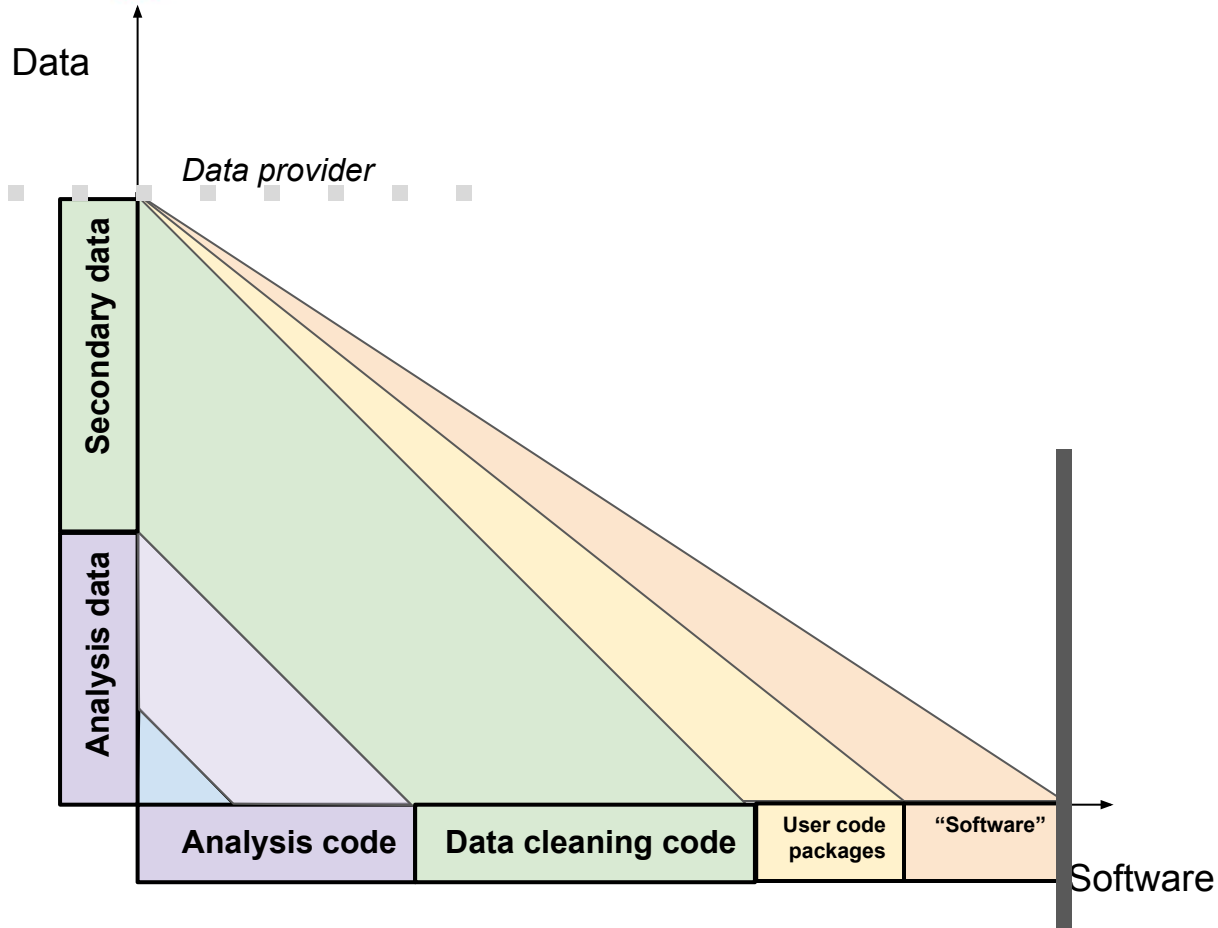


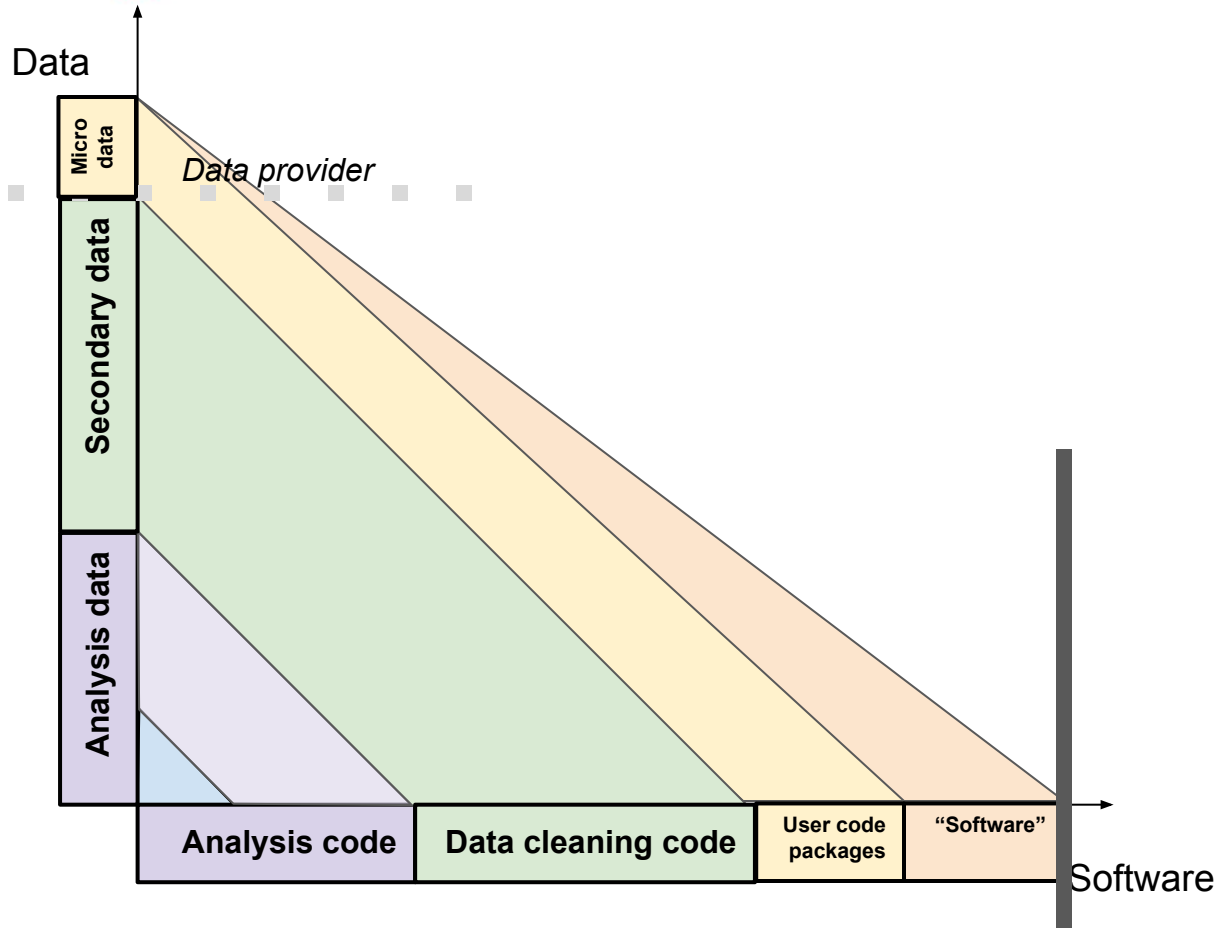














Da

Confidential data

Micro data

Secondary data

Analysis data

Data provider

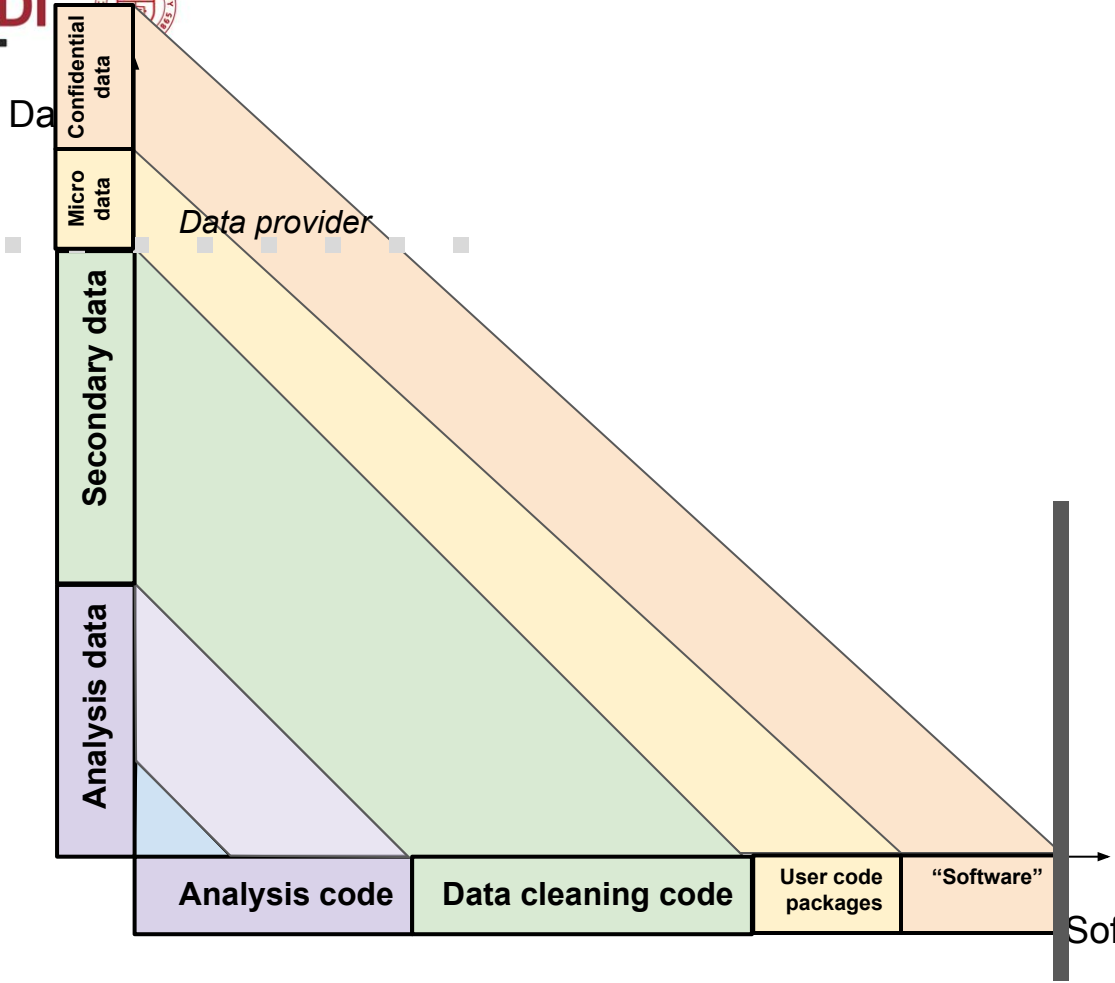
Analysis code

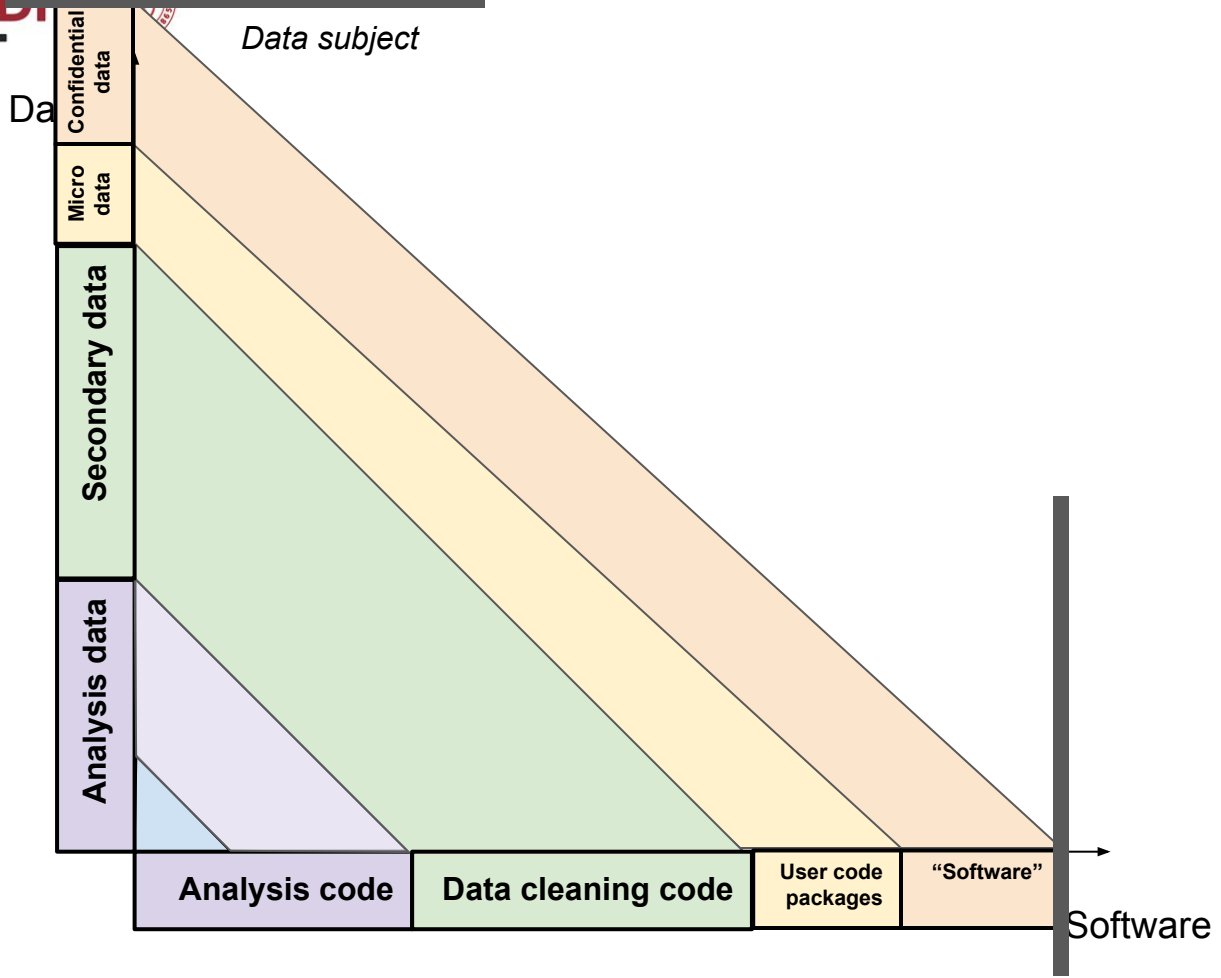
Data cleaning code

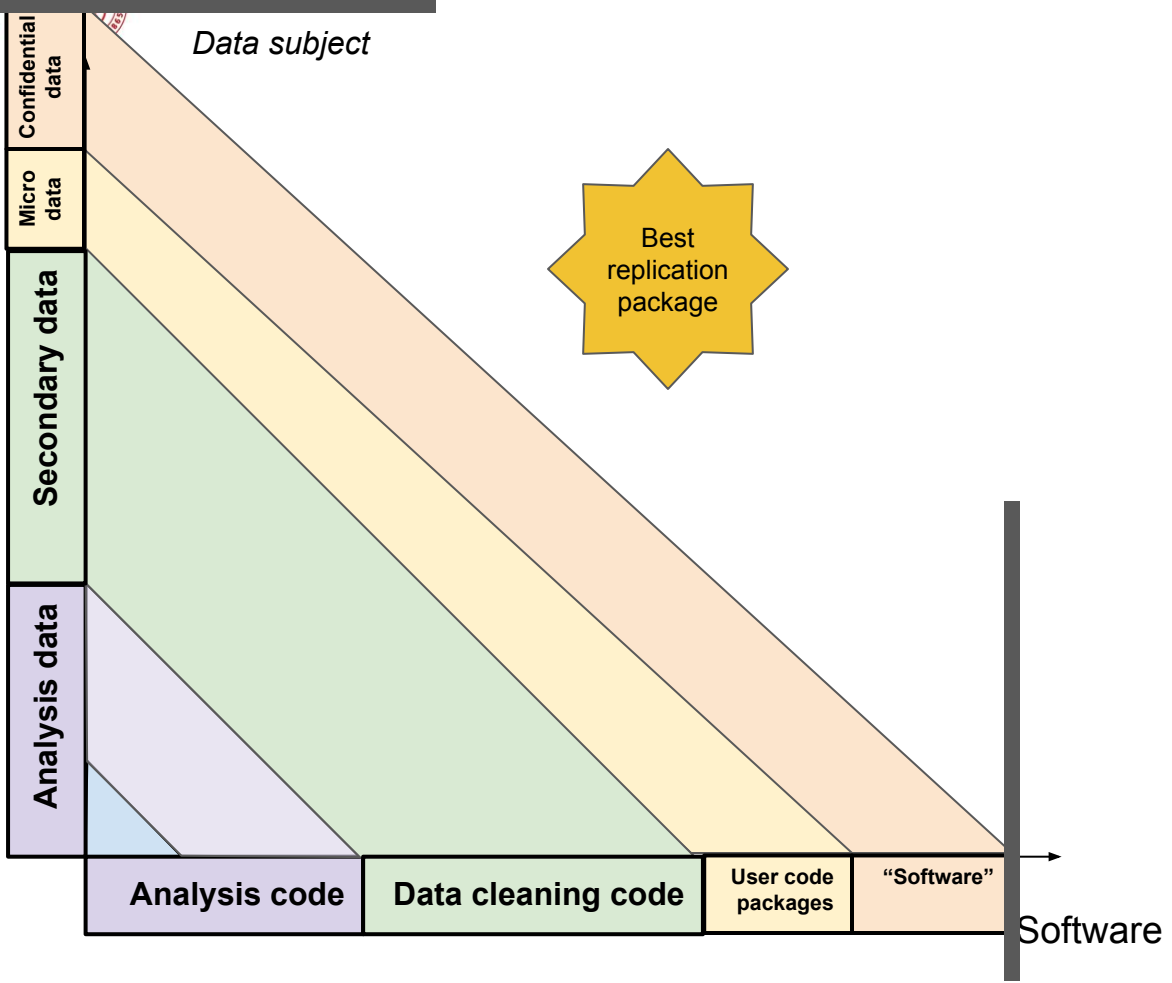
User code packages

"Software"

Software







Confidential data
Micro data
Secondary data
Analysis data

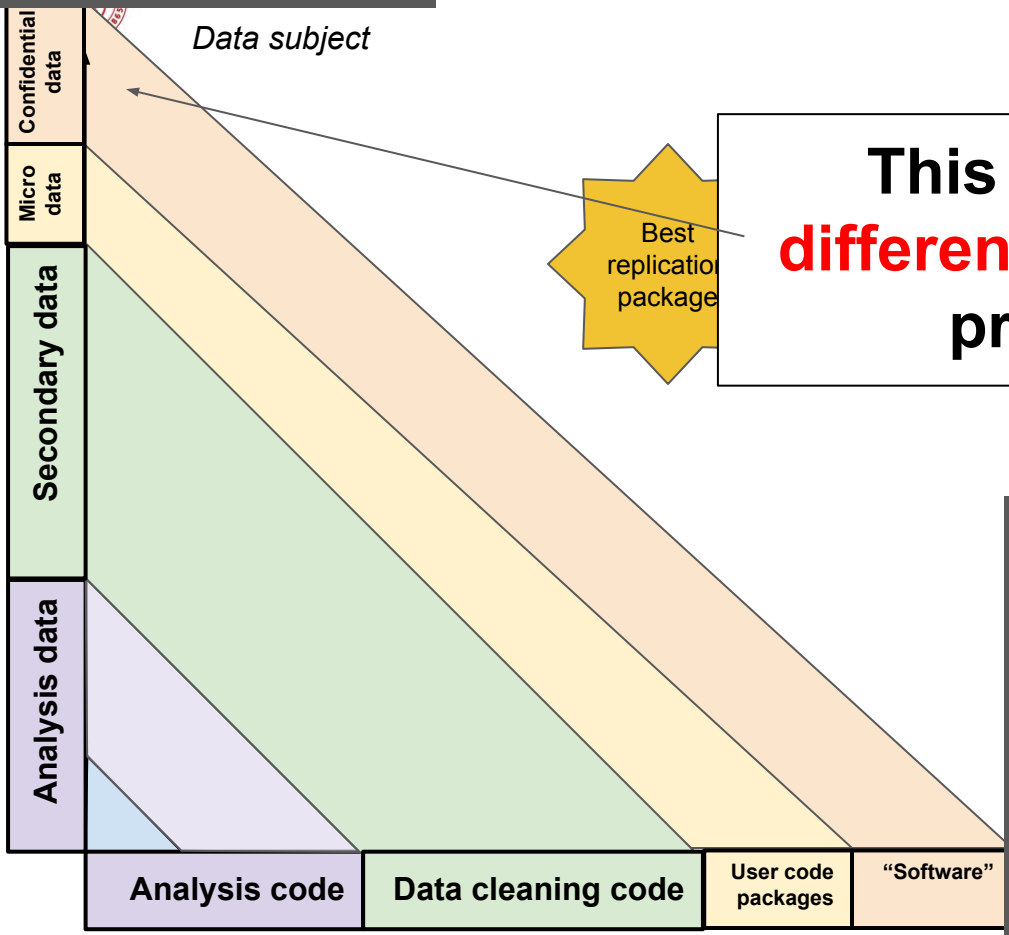
Data subject

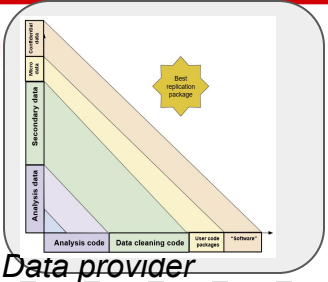
Best replication package

This can be quite different when data are proprietary!

Analysis code Data cleaning code User code packages "Software"

Software





One solution (**challenge**):
Better transparency!

Data

Secondary data

Analysis data

Analysis code

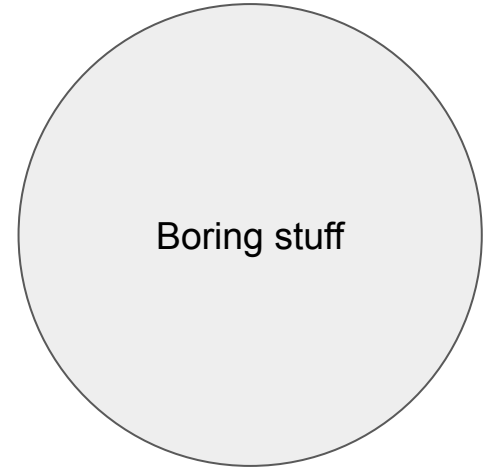
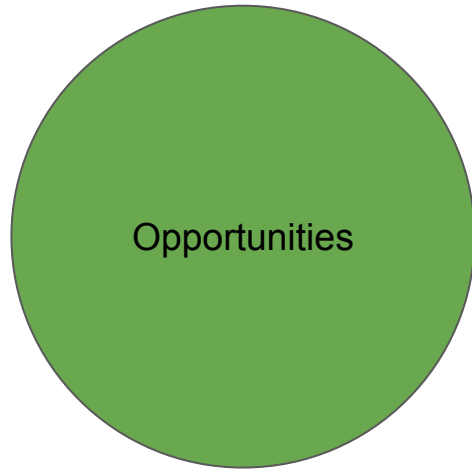
Data cleaning code

User code packages

"Software"

Software

Perspectives from the academic publication process



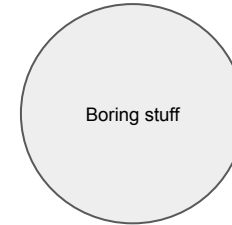
Perspectives from the academic publication process



- **New insights**
- Making data more **broadly known**
- Making data more **broadly available**

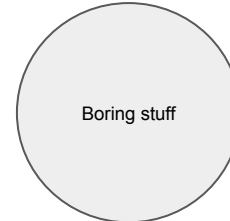


- Describing **data access** and **characteristics**
- Evidence of **Generalizability**
- **Repeatability**
- **Persistence**



- **Data citations**
- Providing **code**
- **Documenting what you know**

Some solutions from the academic publication process



A template README for social science replication packages

This template README provides a standard structure for your replication package. It includes sections for: **Overview**, **Prerequisites**, **Installation**, **Usage**, **Output**, **License**, and **Contributing**.



Office of the AEA Data Editor

START REPLICATION PACKAGE FAQ Blog Home Table Projects Survey Publications

Describe what you should expect after conditional acceptance of your manuscript in compliance with the [AEA Data and Code Availability Policy](#)

- 1 Prepare**
Prepare your data and code replication package. Download the data and code, and ensure they are publicly accessible. You can do this by using a public repository like GitHub or Zenodo.
- 2 Upload**
Provide metadata and upload the replication package. This step is automatically generated for you. You can skip this step if you are submitting to the AEA journals.
- 3 Submit**
Submit the Data and Code Availability (DCA) together with your manuscript when the manuscript is in the final stages of the review process. Only once these materials have been accepted by the editorial office will you receive a DCA link.

What to expect next
The next steps happen behind the scenes, until you receive the replication grant.



Data and Code Guidance by Data Editors

Guidance for authors wishing to create data and code supplements, and for replicators.

Guidance on Data Citation

- On this page:
- Data Citations
 - What to cite
 - Data in print
 - Data in preprint
 - Where to cite
 - How to cite
 - Some additional guidance on tricky citations
 - Some frequently asked questions
 - Tools
- Journals offer guidance on citations; you may want to check these first. The guidance provided here is in addition, and may be the basis for future official guidance.

Data Citations

Properly referencing data goes beyond just reproducibility: it is also proper scientific writing style. In the same way that authors use bibliographic references to "credit" resources, they should also be using such references for data resources, to give and receive credit where credits are best. Best practices for citing data resources are not uniform, and at least two programs, [DataCite](#) and [DOI](#), have developed standards and tutorials exist, some of which provide a variety of examples.

- [DataONE Tutorial on Data Citation and generic guidance](#)
- [DOI](#)



<https://admindatahandbook.mit.edu/>

https://social-science-data-editors.github.io/template_README/

<https://aeadataeditor.github.io/aea-de-guidance/>

https://social-science-data-editors.github.io/guidance/Data_citation_guidance.html