

# The Transparent CHI Paper

## Cheat Sheet

### What is Transparency

*Having one's actions open and accessible for external evaluation. Transparency pertains to researchers being honest about theoretical, methodological, and analytical decisions made throughout the research cycle.*

Framework for Open and Reproducible Research Training ([FORRT.org](https://forrrt.org))

#### Why be transparent?

- Help readers and reviewers understand your work
- Helps you stay on top of your work
- Prevent mistakes
- Work faster
- Create better research.
- Increase citations and promote reuse

Being transparent benefits you as much as others <sup>1</sup>.

#### What should I make transparent?

Almost any researcher can integrate transparent practices. However:

- Keep in mind participant safety and rights
- Some data cannot be shared safely

Use data availability statement to report what can and can't be shared

Even if data must be kept private, share what materials you can (interview questions, analysis code, or other materials).

### Inspiration/Examples

#### Papers

Broman, Wu (2018). Data organization in spreadsheets  
[peerj.com/preprints/3183](https://peerj.com/preprints/3183)

Wickham (2014). Tidy Data. [jstatsoft.org/v59/i10](https://jstatsoft.org/v59/i10)

Wilson, G. et al (2017). Good enough practices in scientific computing  
[doi.org/10.1371/journal.pcbi.1005510](https://doi.org/10.1371/journal.pcbi.1005510)

#### Organizations

Center for Open Science [cos.io](https://cos.io)

The Alliance for Open Scholarship [all4os.org](https://all4os.org)

Project TIER [projecttier.org](https://projecttier.org)

Framework for Open and Reproducible Research Training [FORRT.org](https://forrrt.org)

FOSTER Open Science [fosteropenscience.eu](https://fosteropenscience.eu)

### Common tools

#### Data and File Organization

Research Data Alliance [rd-alliance.org/](https://rd-alliance.org/)

#### Data Repositories

##### Open Science Framework (OSF)

Zenodo  
Harvard Dataverse  
ICPSR

#### Paper Repositories

##### Open Science Framework (OSF)

arXiv

#### Make your work findable

Ensure it is indexed and has a unique identifier.  
Try CrossRef, ORCID, doi.

#### Licenses

CC-BY [creativecommons.org](https://creativecommons.org)  
MIT [mit-license.org](https://mit-license.org)

#### Analysis tools

Open source software is more transparent

R [r-project.org](https://r-project.org)

Python [python.org](https://python.org)

JASP [jasp-stats.org](https://jasp-stats.org)

...but, you can be transparent with closed-source software, too!

#### Literate programming

Mixing text and code helps document your work

Quarto [quarto.org](https://quarto.org)

RMarkdown [rmarkdown.rstudio.com](https://rmarkdown.rstudio.com)

Jupyter Notebooks [jupyter.org](https://jupyter.org)

#### Code Repositories

GitHub

Zenodo

GitLab

Bitbucket

...there are many more resources in all these categories! Pull requests welcome.

### Checklist













Use this overview to keep track of what you did. Ignore the points not applicable to your project.

- ☐ Ethics approval granted
- ☐ (Confirmatory) User study preregistered
- ☐ Participant consent for open data sharing collected
- ☐ Data collection process documented
- ☐ De-Identified Data and data documentation (e.g., data dictionary) is uploaded to a repository that gives unique identifiers (e.g., DOI).
- ☐ Source code for data analysis cleaned up and commented
- ☐ Methodology comprehensibly described
- ☐ Citation list is clear and complete (including used software packages)
- ☐ All contributions are acknowledged
- ☐ Supplementary material documented and uploaded
- ☐ Repository given an open licence (e.g., CC-BY)
- ☐ Add a [data availability statement](#)
- ☐ Paper published open access

<sup>1</sup>Markowitz, F. (2015). Five selfish reasons to work reproducibly. Genome biology, 16(1), 1-4.

## Timeline

Fill in the blanks with your target deadlines. If a particular step does not apply to your work, feel free to cross it out.

TIMELINE	YOUR ACTION ITEMS	RESOURCES
<b>Before Beginning the Study:</b>		
<input type="text"/>	<b>Ethics Approval</b> <ul style="list-style-type: none"> <li>Get consent to share your data</li> </ul>	[Check your universities guidelines]
<input type="text"/>	<b>Preregistration</b> <ul style="list-style-type: none"> <li>Check which preregistration template applies to you.</li> </ul>	 OSF Guide and templates
<b>Before you Begin Data Collection:</b>		
<input type="text"/>	<b>Data Collection and Organization</b> <ul style="list-style-type: none"> <li>deidentify/anonymize data, choose a non-proprietary file format (e.g., csv)</li> <li>create a data dictionary</li> </ul>	 How To  How To
<b>After Data Collection:</b>		
<input type="text"/> violinheight	<b>Data Analysis</b> <ul style="list-style-type: none"> <li>clean, executable, and commented code/script</li> </ul>	 R  Python  JASP
<b>Finishing Up:</b>		
<input type="text"/>	<b>Supplementary Material</b> <ul style="list-style-type: none"> <li>Add to a repository:               <ul style="list-style-type: none"> <li>data,</li> <li>study protocols,</li> <li>analysis scripts,</li> <li>videos, and</li> <li>anything else relevant to you.</li> </ul> </li> </ul>	 Zenodo.org  Harvard Dataverse  OSF Repository  GitHub  GitLab
<input type="text"/>	 <b>YOU DID IT!</b> 