

Neue Publikationsformate und -strukturen in der Psychologie

Möglichkeiten und Herausforderungen für die
Bereitstellung und Qualitätssicherung von
Forschungsdaten, Metadaten, Skripten & Co.

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Mehr Transparenz!

Mehr Transparenz für die Forschung

Alles hochladen?

Offene Daten, offene Begutachtung, offene Experimente - ein Transparenzvirus geht um. Löst das die Probleme mit Geheimniskrämerei, schlechter Forschung und trägen Publikationen? Wie viel Zeit zum Nachdenken bleibt noch?

Frankfurter Allgemeine
Wissen



*Empirische Forschung soll
transparenter werden!*



Badges for Open Practices developed by COC (Center for Open Science)





Inhalte einer *schönen neuen [sprich: transparenten] Publikationswelt*

- **Forschungsdaten, Forschungsergebnisse***

- Vollständige Primärdaten, abgeleitete Daten, ...

*Auch aus unveröffentlichten Studien, auch nicht-signifikante, auch Replikationen!

- **Metadaten**

- zur Datenerhebung (Sampling, Messinstrumente, Versuchssteuerung, ...)
- zur Datenkodierung (Codebuch)
- zur Datenanalyse (Statistische Verfahren, verwendete Software, ...)

- **Versuchsmaterialien, Skripte und weitere Artefakte**

und natürlich auch: **Zeitschriftenartikel, Bücher u. ä.**

Eine neue Publikationsinfrastruktur?

Empirische Forschung soll transparenter werden!

... aber wie sieht es mit der **Infrastruktur** aus?

“ *There is a broad range of options: repositories housed at the author's institution or personal website, a website serving a group of scientists with a shared interest, or a journal website.*

Asendorpf et al., 2013.

“ *Figshare [...] offers a repository for data and methods or materials for private archiving or public sharing. Further, the Open Science Framework (...) is a Web-based project management framework for documenting and archiving research materials, analysis scripts, or data [...].*

Nosek et al., 2012.

Veröffentlichungswege

“Publish materials, data, and analysis scripts” (Asendorpf et al., 2013)

- Nicht auf Wissenschaftskommunikation spezialisierte Systeme
 - E-Mail Versand
 - Filehosting und Filesharing Systeme („Dropbox“ u. ä.)
 - individuelle, institutionelle oder projektspezifische Webseiten
 - ...
- Auf Wissenschaftskommunikation spezialisierte Systeme
 - „Supplemental Journal Article Materials“
 - Repositorien und Datenzentren
 - ...

Anforderungen

- Nachhaltigkeit – z. B.:
 - Langzeitverfügbarkeit (Langzeitarchivierung)
 - Technische Langzeiterhaltungsmaßnahmen
- Standards – z. B.:
 - Metadatenstandards (Dokumentationsstandards)
 - technische Standards
- Qualitätssicherung – z. B.:
 - Prüfung von Konsistenz, Vollständigkeit
 - Sicherung von Authentizität und Integrität
- Auffindbarkeit

Z. B. Nachhaltigkeit

Beispiel:

Journal of Personality and Social Psychology, Vol 105(5), Nov 2013, S. 876

³ The full template for all 100 CAQ items is available as a supplemental table at <http://psy2.fau.edu/~shermanr/Pubs.html/LifeHistorySupplement.zip>



Not Found

The requested URL [/~shermanr/Pubs.html/LifeHistorySupplement.zip](http://psy2.fau.edu/~shermanr/Pubs.html/LifeHistorySupplement.zip) was not found on this server.

- Anderson et al., 2006: “we were quite surprised to find such a **large percentage of supplemental data (17%) that was not available** only 1 year and a few months past publication.” (Hervorhebung hinzugefügt)

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Z. B. Standards

Beispiel: E

The screenshot shows a Figshare data page. At the top left is the Figshare logo. The main title is "Data for 'Power'". Below the title, there are two file icons: "data.tsv" and "prefs.annotated.csv". On the left side, there are social sharing options (Facebook, Twitter) and a "Cite this:" section with a "Clamp" button and a "Generate" button. Below that is a "Description" section with the text "Data used in G.L. Ciampone et al. (2014), forthcoming". At the bottom, there are three red buttons: "proposals", "preferences", and "bargaining".

| "session" | "game" | "participant" | Game, Treatment, Response, Proposal, Prop. Pref, Prop. Ass, Resp. Pref, Prop. Donation, Resp. Donation, Prop. O |
|-----------|--------|---------------|---|
| 15 | 22 | 37 | 99, balanced, Accepted, 6, Multiple, Selfish, Multiple, 1, 0, 0, 1 |
| 15 | 22 | 38 | 98, balanced, Accepted, 5, Fair, Fair, Fair, 0.176470588235294, 0, 1, 1 |
| 15 | 23 | 39 | 97, weak responder, Rejected, 4, Selfish, Fair, None, 0, 0, 1, 0 |
| 15 | 23 | 40 | 96, balanced, Accepted, 6, Multiple, Selfish, Multiple, 0, 1, 1, 0 |
| 15 | 25 | 43 | 95, weak proposer, Rejected, 4, None, None, None, 0, 0, 1, 0 |
| 15 | 25 | 44 | 94, balanced, Accepted, 6, Multiple, Selfish, Multiple, 0, 0, 1, 1 |
| 15 | 26 | 45 | 93, weak proposer, Accepted, 7, None, None, None, 0, 0, 1, 1 |
| 15 | 26 | 46 | 92, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 1, 1 |
| 15 | 27 | 47 | 91, balanced, Accepted, 5, Fair, Fair, Fair, 0, 0, 1, 0 |
| 15 | 27 | 48 | 90, weak proposer, Rejected, 5, Fair, Fair, Selfish, 0, 1, 0, 0 |
| 15 | 28 | 49 | 89, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0.411764705882353, 0, 1 |
| 15 | 28 | 50 | 88, balanced, Accepted, 6, Multiple, Selfish, Multiple, 0, 0, 1, 1 |
| 15 | 30 | 53 | 87, balanced, Accepted, 6, Multiple, Selfish, Multiple, 0, 0, 1, 1 |
| 15 | 30 | 54 | 83, weak responder, Accepted, 2, None, None, None, 0, 1, 1, 0 |
| 15 | 31 | 55 | 82, weak proposer, Accepted, 7, None, None, None, 1, 0, 0, 1 |
| 15 | 31 | 56 | 81, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 32 | 57 | 80, weak responder, Rejected, 5, Fair, Multiple, None, 0, 0, 0, 0 |
| 15 | 32 | 58 | 78, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.117647058823529, 0, 1, 0 |
| 15 | 33 | 59 | 75, weak proposer, Accepted, 3, None, None, None, 0, 0, 0, 0 |
| 15 | 33 | 60 | 74, weak responder, Accepted, 5, Fair, Multiple, Multiple, 1, 0, 0, 1 |
| 15 | 35 | 63 | 73, weak proposer, Accepted, 4, Fair, Fair, Fair, 0, 0, 1, 1 |
| 15 | 35 | 64 | 70, balanced, Accepted, 5, Fair, Fair, Fair, 0, 0.411764705882353, 1, 1 |
| 15 | 36 | 65 | 68, balanced, Rejected, 5, Fair, Fair, Selfish, NA, 1, 0, 0 |
| 15 | 36 | 66 | 67, balanced, Rejected, 9, None, None, None, 0, 0.117647058823529, 0, 0 |
| 15 | 38 | 69 | 65, weak responder, Rejected, 1, Selfish, Selfish, Fair, 0.411764705882353, 0, 0, 1 |
| 15 | 39 | 71 | 63, weak responder, Rejected, 5, Fair, Multiple, None, 0.235294117647059, 0.411764705882353, 0, 1 |
| 15 | 39 | 72 | 62, balanced, Accepted, 5, Fair, Fair, Fair, 0.0588235294117647, 0.117647058823529, 0, 0 |
| 15 | 41 | 75 | 61, balanced, Accepted, 5, Fair, Fair, Fair, 0, 0, 1, 1 |
| 15 | 41 | 76 | 60, balanced, Accepted, 5, Fair, Fair, Fair, 0, 0.411764705882353, 1, 0 |
| 15 | 42 | 77 | 59, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 42 | 78 | 57, balanced, Accepted, 7, None, None, None, 0, 0, 0, 0 |
| 15 | 44 | 81 | 55, weak responder, Rejected, 6, None, None, None, 0, 0, 1, 0 |
| 15 | 44 | 82 | 54, weak responder, Accepted, 5, Fair, Multiple, Multiple, 0, 0.588235294117647, 0, 0 |
| 15 | 46 | 85 | 53, balanced, Accepted, 4, None, None, None, 0, 0, 0, 0 |
| 15 | 46 | 86 | 50, weak responder, Rejected, 1, Selfish, Selfish, Fair, 1, 0, 0, 0 |
| 15 | 48 | 89 | 49, balanced, Accepted, 6, Multiple, Selfish, Multiple, 1, 0.411764705882353, 0, 0 |
| 15 | 48 | 90 | 48, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.117647058823529, 0, 1, 0 |
| 15 | 48 | 90 | 46, weak responder, Accepted, 5, Fair, Multiple, Multiple, 0, 0, 0, 0 |
| 15 | 48 | 90 | 44, weak responder, Rejected, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 43, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 42, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 41, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 40, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 39, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 38, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 37, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 36, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 35, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 34, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 33, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 32, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 31, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 30, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 29, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 28, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 27, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 26, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 25, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 24, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 23, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 22, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 21, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 20, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 19, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 18, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 17, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 16, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 15, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 14, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 13, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 12, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 11, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 10, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 9, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 8, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 7, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 6, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 5, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 4, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 3, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 2, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |
| 15 | 48 | 90 | 1, weak proposer, Accepted, 5, Fair, Fair, Fair, 0, 0, 0, 0 |

URL: <http://dx.doi.org/10.6084/m9.figshare.1021603> (Abruf 18.09.2014)

Ausblick

- **Gegenwart:** Wildwuchs vieler neuer Ansätze, teilweise fraglicher ‚Mehrwert‘, partiell mehr Transparenz – aber auch neue Intransparenzen
- **Zukunft:** Koevolution neuer informationstechnischer Strukturen *und* neuer sozialer Praktiken (Routinen, Best Practices, Standards, Normen etc.) der Wissenschaftskommunikation – die idealerweise zu mehr Transparenz in der Forschung beitragen

Vielen Dank!

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