

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 text area containing "Ciampaglia, G. (2014). Data for 'Power' (PLoS One 2014, forthcoming)". Below that is a "Description" section with the text "Data used in G.L. Ciampaglia, 'Ultimatum Game' (PLoS One 2014, forthcoming)".

"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, 0.0411764705882353, 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, 0.0411764705882353, 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, 0.0117647058823529, 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, 0.0411764705882353, 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, 0.0411764705882353, 1, 0
15	48	90	43, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	42, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	41, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	40, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	39, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	38, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	37, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	36, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	35, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	34, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	33, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	32, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	31, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	30, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	29, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	28, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	27, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	26, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	25, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	24, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	23, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	22, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	21, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	20, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	19, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	18, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	17, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	16, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	15, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	14, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	13, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	12, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	11, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	10, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	9, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	8, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	7, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	6, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	5, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	4, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	3, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	2, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0
15	48	90	1, weak proposer, Accepted, 5, Fair, Fair, Fair, 0.0411764705882353, 1, 0

- proposals
- preferences
- bargaining

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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