

Update on the Glossary Panel - Extending the existing term base

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Glossary Panel (GP)

Chairs:	Martin Boeker, Marianne Huebner
Members:	Willi Sauerbrei, Carsten Oliver Schmidt, Peggy Sekula, Ingeborg Waernbaum

A Glossary: Towards a Unified Semantics of Statistical and Study-related Terms

Glossary Panel – Objectives

- Collection, unification and harmonization of terms and their definitions
 - about things relevant in STRATOS
 - conceptual foundation for the work in the STRATOS initiative and its dissemination of guidance
- Open access of this glossary for the scientific community
- Potential: development towards a terminology/ontology
 - fixed semantics (codes) for machine-interpretable formal descriptions

Glossary Panel – Status (Sources)

- 700 (out of nearly 3000)
 - Day S. Dictionary for Clinical Trials. 2. Edition. Chichester, England ; Hoboken, NJ: Wiley; 2007
- about 100 terms from NICE
 - National Institute of Health and Care Excellence. Glossary [Internet]. NICE. NICE; 2020
<https://www.nice.org.uk/glossary>

User:	<input type="text" value="boeker"/>	<input type="button" value="Save & Disconnect"/>	Links here:	<input type="text" value="rejection region"/>
Search term:	<input type="text" value="test"/>	<input type="button" value="New"/>		<input type="text" value="parametric test"/>
Term:	<input type="text" value="test"/>	<input type="button" value="Delete"/>		<input type="text" value="test result"/>
				<input type="text" value="Behrens-Fisher problem"/>
				<input type="text" value="pooled estimate"/>

All Terms

Results:	<input type="text" value="test"/>	Definition	a way of challenging an idea to see if it is true. This applies to medical tests (such as **diagnostic tests**) and to statistical tests (as in **hypothesis test** ; an answer to a simple question such as what is someone's blood pressure	
	<input type="text" value="F test"/>	Def. (boeke...)	<input type="text" value="Definition2"/>	Comment: ... <input type="text" value="Comment2"/>
	<input type="text" value="t test"/>	Def. (wfs) L...	<input type="text" value="Definition3"/>	Comment: ... <input type="text" value="Comment3"/>
	<input type="text" value="z test"/>	Def. (testus...)	<input type="text" value="Definition4"/>	Comment: ... <input type="text" value="Comment4"/>
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	<input type="text" value="exact test"/>	Def. (user7)...	<input type="text" value="Definition7"/>	Comment: ... <input type="text" value="Comment7"/>
	<input type="text" value="test result"/>	Def. (user8)...	<input type="text" value="Definition8"/>	Comment: ... <input type="text" value="Comment8"/>
	<input type="text" value="omnibus test"/>	Def. (user9)...	<input type="text" value="Definition9"/>	Comment: ... <input type="text" value="Comment9"/>
	<input type="text" value="log rank test"/>	Def. (user1...)	<input type="text" value="Definition10"/>	Comment: ... <input type="text" value="Comment10"/>
	<input type="text" value="paired t test"/>	Sources:	Day S. Dictionary for Clinical Trials, 2nd edition. Chichester: John Wiley and Sons, 2007. ISBN 047031916X, 9780470319161	
	<input type="text" value="McNemar's test"/>			
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	<input type="text" value="Bartlett's test"/>			
	<input type="text" value="Friedman's test"/>			
	<input type="text" value="diagnostic test"/>			
	<input type="text" value="hypothesis test"/>			
	<input type="text" value="parametric test"/>			
	<input type="text" value="triangular test"/>			
	<input type="text" value="Newman-Keuls test"/>			
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	<input type="text" value="nonparametric test"/>			
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	<input type="text" value="goodness of fit test"/>			
	<input type="text" value="Kolmogorov-Smirnov test"/>			
	<input type="text" value="Sensitivity (of a test)"/>			
	<input type="text" value="Specificity (of a test)"/>			
	<input type="text" value="uniformly most powerful test"/>			
	<input type="text" value="likelihood ratio test statistic"/>			
	<input type="text" value="Gehan's generalised Wilcoxon test"/>			
	<input type="text" value="Wilcoxon matched pairs signed rank test"/>			
	<input type="text" value="Tukey's least significance difference"/>			

Glossary Panel – Curation, Extension and Future Development

- Curation of terms and definitions by topic groups and panels
 - Collect terms missing from the term set
- Extension/mapping of the term set
 - See Candidate glossaries
- Provide public access (Website, Browser)
- Development towards a terminology/ontology

Glossary Panel – Candidate Glossaries

- A Dictionary of Epidemiology (5. ed.)
 - Editor: M. Porta
<https://www.oxfordreference.com/view/10.1093/acref/9780195314496.001.0001/acref-9780195314496>
- A Dictionary of Epidemiology (4. ed.)
 - Editor: John M. Last (previous version of 5. ed.)
 - Access: only physically available
- Planning of Experiments
 - Author(s): D. R. Cox
 - Access: only physically availableModern
- Epidemiology
 - Author(s): Timothy L. Lash , Tyler J. VanderWeele , Sebastien Haneuse , Kenneth J. Rothman
 - Access: only physically or as an E-Book available (through purchase)

Glossary Panel – Candidate Ontologies

- STATO: Statistics Ontology
- OBCS: Ontology of Biological and Clinical Statistics
- OBI: Ontology of Biomedical Investigation
- APASTATISTIAL: APA Statistical Cluster

Access via NCBO BioPortal: <https://bioportal.bioontology.org/>

Glossary Panel – Discussion

- Extend STRATOS glossary
- Which terms are missing?
- Which definitions are not correct?
- Include more sources
- Mapping to existing terminology/ontology
- Develop towards terminology/ontology