



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:

Search term:

Term:

All Terms

Results:

- F test
- t test
- z test
- sign test
- Index test
- exact test
- test result
- omnibus test
- log rank test
- paired t test
- McNemar's test
- Scheffé's test
- Bartlett's test
- Friedman's test
- diagnostic test
- hypothesis test
- parametric test
- triangular test
- Newman-Keuls test
- significance test
- nonparametric test
- Fisher's exact test
- Hotelling's T2 test
- Kruskal-Wallis test
- Mann-Whitney U test
- Mantel-Haenszel test
- goodness of fit test
- Kolmogorov-Smirnov test
- Sensitivity (of a test)
- Specificity (of a test)
- uniformly most powerful test
- likelihood ratio test statistic
- Gehan's generalised Wilcoxon test
- Wilcoxon matched pairs signed rank test
- Tukey's least significance difference

Save & Disconnect

New

Delete

Links here:

- rejection region
- parametric test
- test result
- Behrens-Fisher problem
- pooled estimate

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) to an answer to a simple question such as what is someone's blood pressure		
Def. (boeke...)	Definition2	Comment: ...	Comment2
Def. (wfs) L...	Definition3	Comment: ...	Comment3
Def. (testus...)	Definition4	Comment: ...	Comment4
Def. (user5)...	Definition5	Comment: ...	Comment5
Def. (user6)...	Definition6	Comment: ...	Comment6
Def. (user7)...	Definition7	Comment: ...	Comment7
Def. (user8)...	Definition8	Comment: ...	Comment8
Def. (user9)...	Definition9	Comment: ...	Comment9
Def. (user1...)	Definition10	Comment: ...	Comment10
Sources:	Day S. Dictionary for Clinical Trials, 2nd edition. Chichester: John Wiley and Sons, 2007. ISBN 047031916X, 9780470319161		

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 – Summary

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