

DAFTAR PUSTAKA

- [1] World Health Organization, *Global Status Report on Alcohol and Health and Treatment of Substance Use Disorders*. Geneva, Switzerland: World Health Organization, 2024, accessed: Jun. 29, 2026. [Online]. Available: <https://www.who.int/publications/i/item/9789240096745>
- [2] American Psychiatric Association, *Diagnostic and Statistical Manual of Mental Disorders*, 5th ed. Arlington, VA, USA: American Psychiatric Association, 2013.
- [3] M. Oscar-Berman and K. Marinković, “Alcohol: Effects on neurobehavioral functions and the brain,” *Neuropsychology Review*, vol. 17, no. 3, pp. 239–257, 2007.
- [4] J. B. Saunders, O. G. Aasland, T. F. Babor, J. R. de la Fuente, and M. Grant, “Development of the alcohol use disorders identification test (AUDIT): WHO collaborative project on early detection of persons with harmful alcohol consumption—II,” *Addiction*, vol. 88, no. 6, pp. 791–804, 1993.
- [5] W. Mumtaz, M. N. B. M. Saad, N. Kamel, S. S. A. Ali, and A. S. Malik, “An EEG-based functional connectivity measure for automatic detection of alcohol use disorder,” *Artificial Intelligence in Medicine*, vol. 84, pp. 79–89, 2018.
- [6] J. Cao, Y. Zhao, X. Shan, H.-L. Wei, Y. Guo, L. Chen, J. A. Erkoyuncu, and P. G. Sarrigiannis, “Brain functional and effective connectivity based on electroencephalography recordings: A review,” *Human Brain Mapping*, vol. 43, no. 2, pp. 860–879, 2022.
- [7] E. Bullmore and O. Sporns, “Complex brain networks: Graph theoretical analysis of structural and functional systems,” *Nature Reviews Neuroscience*, vol. 10, no. 3, pp. 186–198, 2009.
- [8] R. Cao, Z. Wu, H. Li, J. Xiang, and J. Chen, “Disturbed connectivity of EEG functional networks in alcoholism: A graph-theoretic analysis,” *Bio-Medical Materials and Engineering*, vol. 24, no. 6, pp. 2927–2936, 2014.
- [9] Z. Sjoerds, S. M. Stufflebeam, D. J. Veltman, W. van den Brink, B. W. J. H. Penninx, and L. Douw, “Loss of brain graph network efficiency in alcohol dependence,” *Addiction Biology*, vol. 22, no. 2, pp. 523–534, 2017.
- [10] A. Herrera-Díaz, R. Mendoza-Quñones, L. Melie-Garcia, E. Martínez-Montes, G. Sanabria-Díaz, Y. Romero-Quintana, I. Salazar-Guerra, M. Carballoso-Acosta, and A. Caballero-Moreno, “Functional connectivity and quantitative EEG in women with alcohol use disorders: A resting-state study,” *Brain Topography*, vol. 29, no. 3, pp. 368–381, 2016.
- [11] G. V. Tcheslavski and F. F. Gonen, “Alcoholism-related alterations in spectrum, coherence, and phase synchrony of topical electroencephalogram,” *Computers in Biology and Medicine*, vol. 42, no. 4, pp. 394–401, 2012.
- [12] S. Wang, J. Zhang, Z. Shao, H. Deng, C. Wang, J. Wang, and C. Wang, “Alcohol cue processing alters delta-band functional connectivity and theta-band network topology

- in alcohol use disorder: A task-based EEG study,” *BMC Psychiatry*, vol. 25, no. 1, p. 1206, 2025.
- [13] G. Nolte, O. Bai, L. Wheaton, Z. Mari, S. Vorbach, and M. Hallett, “Identifying true brain interaction from EEG data using the imaginary part of coherency,” *Clinical Neurophysiology*, vol. 115, no. 10, pp. 2292–2307, 2004.
 - [14] M. Vinck, R. Oostenveld, M. van Wingerden, F. Battaglia, and C. M. A. Pennartz, “An improved index of phase-synchronization for electrophysiological data in the presence of volume-conduction, noise and sample-size bias,” *NeuroImage*, vol. 55, no. 4, pp. 1548–1565, 2011.
 - [15] J.-P. Lachaux, E. Rodriguez, J. Martinerie, and F. J. Varela, “Measuring phase synchrony in brain signals,” *Human Brain Mapping*, vol. 8, no. 4, pp. 194–208, 1999.
 - [16] X.-L. Zhang, H. Begleiter, B. Porjesz, W. Wang, and A. Litke, “Event-related potentials during object recognition tasks,” *Brain Research Bulletin*, vol. 38, no. 6, pp. 531–538, 1995, dataset available from the EEG Database, UCI Knowledge Discovery in Databases Archive. [Online]. Available: <https://archive.ics.uci.edu/dataset/121/eeeg+database>
 - [17] Y. Bae, B. W. Yoo, J. C. Lee, and H. C. Kim, “Automated network analysis to measure brain effective connectivity estimated from EEG data of patients with alcoholism,” *Physiological Measurement*, vol. 38, no. 5, pp. 759–773, 2017.
 - [18] Biomarkers Definitions Working Group, “Biomarkers and surrogate endpoints: Preferred definitions and conceptual framework,” *Clinical Pharmacology & Therapeutics*, vol. 69, no. 3, pp. 89–95, 2001.
 - [19] E. Niedermeyer and F. H. Lopes da Silva, Eds., *Electroencephalography: Basic Principles, Clinical Applications, and Related Fields*, 5th ed. Philadelphia, PA, USA: Lippincott Williams & Wilkins, 2004.
 - [20] R. W. Homan, J. Herman, and P. Purdy, “Cerebral location of international 10–20 system electrode placement,” *Electroencephalography and Clinical Neurophysiology*, vol. 66, no. 4, pp. 376–382, 1987.
 - [21] P. L. Nunez and R. Srinivasan, *Electric Fields of the Brain: The Neurophysics of EEG*, 2nd ed. New York: Oxford University Press, 2006.
 - [22] W. Klimesch, “EEG alpha and theta oscillations reflect cognitive and memory performance: A review and analysis,” *Brain Research Reviews*, vol. 29, no. 2–3, pp. 169–195, 1999.
 - [23] P. D. Welch, “The use of fast Fourier transform for the estimation of power spectra: A method based on time averaging over short, modified periodograms,” *IEEE Transactions on Audio and Electroacoustics*, vol. 15, no. 2, pp. 70–73, 1967.
 - [24] M. Jas, D. A. Engemann, Y. Bekhti, F. Raimondo, and A. Gramfort, “Autoreject: Automated artifact rejection for MEG and EEG data,” *NeuroImage*, vol. 159, pp. 417–429, 2017.

- [25] K. J. Friston, "Functional and effective connectivity: A review," *Brain Connectivity*, vol. 1, no. 1, pp. 13–36, 2011.
- [26] A. Fornito, A. Zalesky, and M. Breakspear, "The connectomics of brain disorders," *Nature Reviews Neuroscience*, vol. 16, no. 3, pp. 159–172, 2015.
- [27] M. Rubinov and O. Sporns, "Complex network measures of brain connectivity: Uses and interpretations," *NeuroImage*, vol. 52, no. 3, pp. 1059–1069, 2010.
- [28] B. C. M. van Wijk, C. J. Stam, and A. Daffertshofer, "Comparing brain networks of different size and connectivity density using graph theory," *PLoS ONE*, vol. 5, no. 10, p. e13701, 2010.
- [29] V. Latora and M. Marchiori, "Efficient behavior of small-world networks," *Physical Review Letters*, vol. 87, no. 19, p. 198701, 2001.
- [30] D. J. Watts and S. H. Strogatz, "Collective dynamics of 'small-world' networks," *Nature*, vol. 393, no. 6684, pp. 440–442, 1998.
- [31] M. D. Humphries and K. Gurney, "Network 'small-world-ness': A quantitative method for determining canonical network equivalence," *PLoS ONE*, vol. 3, no. 4, p. e0002051, 2008.
- [32] H. B. Mann and D. R. Whitney, "On a test of whether one of two random variables is stochastically larger than the other," *The Annals of Mathematical Statistics*, vol. 18, no. 1, pp. 50–60, 1947.
- [33] N. Cliff, "Dominance statistics: Ordinal analyses to answer ordinal questions," *Psychological Bulletin*, vol. 114, no. 3, pp. 494–509, 1993.
- [34] J. Romano, J. D. Kromrey, J. Coraggio, and J. Skowronek, "Appropriate statistics for ordinal level data: Should we really be using t-test and Cohen's d for evaluating group differences on the NSSE and other surveys?" in *Proc. Annu. Meeting Florida Assoc. Institutional Research*, Cocoa Beach, FL, USA, Feb. 2006.
- [35] Y. Benjamini and Y. Hochberg, "Controlling the false discovery rate: A practical and powerful approach to multiple testing," *Journal of the Royal Statistical Society: Series B (Methodological)*, vol. 57, no. 1, pp. 289–300, 1995.
- [36] T. E. Nichols and A. P. Holmes, "Nonparametric permutation tests for functional neuroimaging: A primer with examples," *Human Brain Mapping*, vol. 15, no. 1, pp. 1–25, 2002.
- [37] T. A. Daniel, J. S. Katz, and J. L. Robinson, "Delayed match-to-sample in working memory: A BrainMap meta-analysis," *Biological Psychology*, vol. 120, pp. 10–20, 2016.
- [38] A. Ardila, B. Bernal, and M. Rosselli, "Language and visual perception associations: Meta-analytic connectivity modeling of Brodmann area 37," *Behavioural Neurology*, vol. 2015, p. 565871, 2015.
- [39] H. Nolan, R. Whelan, and R. B. Reilly, "FASTER: Fully automated statistical thresholding for EEG artifact rejection," *Journal of Neuroscience Methods*, vol. 192, no. 1, pp. 152–162, 2010.