

Resource Summary Report

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BOOST

RRID:SCR_013133

Type: Tool

Proper Citation

BOOST (RRID:SCR_013133)

Resource Information

URL: <http://bioinformatics.ust.hk/BOOST.html>

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Description: Software application (entry from Genetic Analysis Software) for a method for detecting gene-gene interactions. It allows examining all pairwise interactions in genome-wide case-control studies.

Abbreviations: BOOST

Synonyms: BOolean Operation based Screening and Testing

Resource Type: data processing software, data analysis software, software resource, software application

Keywords: gene, genetic, genomic, logistic regression model, gene-gene interactions

Availability: Free, Available for download

Resource Name: BOOST

Resource ID: SCR_013133

Alternate IDs: nlx_154249

Record Creation Time: 20220129T080314+0000

Record Last Update: 20260813T055042+0000

Ratings and Alerts

No rating or validation information has been found for BOOST.

No alerts have been found for BOOST.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Jayasri C, et al. (2025) Detecting cyber attacks in vehicle networks using improved LSTM based optimization methodology. Scientific reports, 15(1), 19141.

Corcoran E, et al. (2025) Automated dynamic phenotyping of whole oilseed rape (Brassica napus) plants from images collected under controlled conditions. Frontiers in plant science, 16, 1443882.

Lee YC, et al. (2024) Enhancing COVID-19 booster vaccination among the elderly through text message reminders. Human vaccines & immunotherapeutics, 20(1), 2375665.

Qayoom A, et al. (2024) A novel approach for credit card fraud transaction detection using deep reinforcement learning scheme. PeerJ. Computer science, 10, e1998.

Collett BR, et al. (2024) Book-Sharing for Toddlers with Clefts (BOOST): Protocol for a randomized controlled trial of a remote intervention to promote language development in children with cleft palate. PloS one, 19(6), e0304630.

Luboeinski J, et al. (2023) Stabilization through self-coupling in networks of small-world and scale-free topology. Scientific reports, 13(1), 1089.

Karkaria BD, et al. (2022) Chaos in synthetic microbial communities. PLoS computational biology, 18(10), e1010548.

Comellas M, et al. (2022) A Dynamic Wheelchair Armrest for Promoting Arm Exercise and Mobility After Stroke. IEEE transactions on neural systems and rehabilitation engineering : a publication of the IEEE Engineering in Medicine and Biology Society, 30, 1829.

Williamson E, et al. (2022) The Clinical Effectiveness of a Physiotherapy Delivered Physical and Psychological Group Intervention for Older Adults With Neurogenic Claudication: The BOOST Randomized Controlled Trial. The journals of gerontology. Series A, Biological sciences and medical sciences, 77(8), 1654.

van Dijk LV, et al. (2022) Proton Image-guided Radiation Assignment for Therapeutic Escalation via Selection of locally advanced head and neck cancer patients [PIRATES]: A Phase I safety and feasibility trial of MRI-guided adaptive particle radiotherapy. Clinical and translational radiation oncology, 32, 35.

Lopez C, et al. (2022) The key role of differential broad H3K4me3 and H3K4ac domains in breast cancer. Gene, 826, 146463.

- Hung KL, et al. (2022) Targeted profiling of human extrachromosomal DNA by CRISPR-CATCH. *Nature genetics*, 54(11), 1746.
- Ma Y, et al. (2022) STS-BN: An efficient Bayesian network method for detecting causal SNPs. *Frontiers in genetics*, 13, 942464.
- Librado P, et al. (2021) The origins and spread of domestic horses from the Western Eurasian steppes. *Nature*, 598(7882), 634.
- Basu S, et al. (2021) Plausible blockers of Spike RBD in SARS-CoV2-molecular design and underlying interaction dynamics from high-level structural descriptors. *Journal of molecular modeling*, 27(6), 191.
- Rizvi SFJ, et al. (2021) Numerical Analysis of a Liquid Nitrogen (LN2) Engine for Efficient Energy Conversion. *ACS omega*, 6(24), 15663.
- van Driessche A, et al. (2021) Advance care planning for adolescents with cancer and their parents: study protocol of the BOOST pACP multi-centre randomised controlled trial and process evaluation. *BMC pediatrics*, 21(1), 376.
- Creemers JHA, et al. (2021) A tipping point in cancer-immune dynamics leads to divergent immunotherapy responses and hampers biomarker discovery. *Journal for immunotherapy of cancer*, 9(5).
- Luboeinski J, et al. (2021) Memory consolidation and improvement by synaptic tagging and capture in recurrent neural networks. *Communications biology*, 4(1), 275.
- Correia T, et al. (2020) Accelerated high-resolution free-breathing 3D whole-heart T2-prepared black-blood and bright-blood cardiovascular magnetic resonance. *Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance*, 22(1), 88.