

Resource Summary Report

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MatchIt

RRID:SCR_025618

Type: Tool

Proper Citation

MatchIt (RRID:SCR_025618)

Resource Information

URL: <https://CRAN.R-project.org/package=MatchIt>

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Description: Software R package to select matched samples of original treated and control groups with similar covariate distributions. Can be used to match exactly on covariates, to match on propensity scores, or perform variety of other matching procedures. Nonparametric preprocessing for parametric causal inference.

Resource Type: source code, software toolkit, software resource

Keywords: Nonparametric preprocessing, parametric causal inference, match on propensity scores, match exactly on covariates,

Availability: Free, Available for download, Freely available,

Resource Name: MatchIt

Resource ID: SCR_025618

Alternate URLs: <https://github.com/kosukeimai/MatchIt>

License: GNU GPL v3

Record Creation Time: 20240815T053252+0000

Record Last Update: 20260818T043806+0000

Ratings and Alerts

No rating or validation information has been found for MatchIt.

No alerts have been found for MatchIt.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 580 mentions in open access literature.

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

Huang AY, et al. (2026) Somatic cancer variants enriched in Alzheimer's disease microglia-like cells drive inflammatory and proliferative states. *Cell*, 189(12), 3719.

Reiter B, et al. (2026) Clinical Epidemiology of Cancer in People Living With HIV in Germany: Retrospective, Observational, Multicenter Federated Claims Data Analysis. *JMIR public health and surveillance*, 12, e81092.

Shon S, et al. (2026) PGVDA: a pathway-aggregated genetic dosage framework for interpretable disease classification using machine learning. *Briefings in bioinformatics*, 27(1).

Zhang Z, et al. (2026) Feasibility and safety of surgery for coronary artery disease and gastrointestinal malignancy: a propensity score matching analysis. *European journal of medical research*, 31(1), 245.

Su R, et al. (2026) Identifying the Ratio of Circulating Cinnamoylglycine to Isoleucine as a Biomarker Linking Diet Quality, Microbial Metabolism, and Type 2 Diabetes Risk in the Coronary Artery Risk Development in Young Adults (CARDIA) Cohorts. *The Journal of nutrition*, 156(2), 101260.

Shang Y, et al. (2026) Less pain, faster recovery: evaluating 8Fr vs. 22Fr chest tubes in thoracoscopic lung cancer resection. *Journal of cardiothoracic surgery*, 21(1).

Chen J, et al. (2026) Short-term vs. overnight insemination: which one is better for patients with only one or two oocytes retrieved in IVF cycles? *Frontiers in endocrinology*, 17, 1647862.

Rao S, et al. (2026) Translational buffering tunes gene expression in mice and humans. *Genome biology*, 27(1).

Sun R, et al. (2026) SexTumorDB: a comprehensive resource of sex-dependent tumor landscape at single-cell resolution. *Scientific data*, 13(1).

Zhang Y, et al. (2026) Total marrow irradiation-based conditioning for allogeneic hematopoietic stem cell transplantation in patients with hematologic malignancies: A multicenter real-world study. *Cell transplantation*, 35, 9636897261440297.

Youn S, et al. (2026) Efficacy and safety of low-dose triamcinolone acetonide injections in reducing stricture at stapled hemorrhoidopexy sites. *Annals of coloproctology*, 42(2), 247.

Buxbaum Grice AS, et al. (2026) Lewy pathology largely absent in prefrontal cortices of Parkinson's disease patients undergoing deep brain stimulation. NPJ Parkinson's disease, 12(1).

Bubser F, et al. (2026) Impact of Shorter Preoperative Fluid Fasting on Patient Outcomes: A Safe Brain Initiative Retrospective Cohort Analysis. Anesthesia and analgesia, 142(6), 1101.

Wang D, et al. (2026) Assessment of mosaic loss of chromosome Y in pulmonary fibrosis reveals limited association with susceptibility or disease severity. BMJ open respiratory research, 13(1).

Wang Y, et al. (2026) Feasibility of neurite oriented diffusion and density imaging in thigh skeletal muscle of volunteers with knee pain: relationship with proton density fat fraction: a cross-sectional study. BMC medical imaging, 26(1), 86.

Roh M, et al. (2026) Evaluating the sampling effect of propensity score matching for reducing selection bias in medical data. Frontiers in public health, 14, 1747762.

Lu J, et al. (2026) Impact of control selection strategies on GWAS results: a study of prostate cancer in the UK Biobank. Briefings in bioinformatics, 27(2).

Stoehr F, et al. (2026) Adding Estimates of Central Venous Pressure Boosts the Performance of Non-Invasive Assessment of the Portosystemic Gradient Prior to TIPS Implantation. Diagnostics (Basel, Switzerland), 16(7).

Li J, et al. (2026) Influence of Tonsillectomy on Various Disease Outcomes: An Outcome-wide Association Analysis and Mendelian Randomization Analysis. Journal of otolaryngology - head & neck surgery = Le Journal d'oto-rhino-laryngologie et de chirurgie cervico-faciale, 55, 19160216261416896.

Chepulis L, et al. (2026) SGLT2 inhibitor use and disparities in all-cause mortality in type 2 diabetes: insights from a multi-ethnic population. Diabetologia, 69(8), 2189.