

Resource Summary Report

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POWER

RRID:SCR_009057

Type: Tool

Proper Citation

POWER (RRID:SCR_009057)

Resource Information

URL: <http://dceg.cancer.gov/tools/design/power>

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Description: Windows-based program for computation of sample size and power for binary outcome studies (case-control and cohort studies) based on a logistic-like regression model with one covariate or two covariates (e.g., gene-exposure interactions). (entry from Genetic Analysis Software)

Abbreviations: POWER

Resource Type: software application, software resource

Keywords: gene, genetic, genomic, ms-window

Resource Name: POWER

Resource ID: SCR_009057

Alternate IDs: nlx_154038

Old URLs: <http://dceg.cancer.gov/POWER/>

Record Creation Time: 20220129T080250+0000

Record Last Update: 20260805T044218+0000

Ratings and Alerts

No rating or validation information has been found for POWER.

No alerts have been found for POWER.

Data and Source Information

Usage and Citation Metrics

We found 584 mentions in open access literature.

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

Alsaber A, et al. (2025) Optimizing potato yield predictions in Uttar Pradesh, India: a comparative analysis of machine learning models. Scientific reports, 15(1), 26897.

Allel K, et al. (2025) Cost-effectiveness of health insurance among women engaged in transactional sex and impacts on HIV transmission in Cameroon: a mathematical model. BMJ global health, 10(2).

Kargar S, et al. (2025) Pasteurized waste milk vs. milk replacer at the same crude protein:metabolizable energy ratio with different energy sources (fat vs. lactose) to pre-weaning Holstein calves: Effects on growth performance, feeding behavior, and health. PloS one, 20(1), e0317405.

Toprak T, et al. (2025) A New Perspective on the Etiology of Overactive Bladder Syndrome-Could Overactive Bladder Syndrome Be Associated With Altered Perception of Somatic Sensations as a Result of Obsessive-Compulsive Disorder? A Case-Control Study. International neurourology journal, 29(1), 48.

Bourdier P, et al. (2025) Energy balance in women during polar trekking-The POWER study. Physiological reports, 13(13), e70443.

Gallinger TL, et al. (2025) Muscle fascicle length adaptations to high-velocity training in young adults with cerebral palsy. Frontiers in sports and active living, 7, 1558784.

Alasqah A, et al. (2025) Integrating double techniques of statistical downscaling and bias correction to reduce bias in projections trends of future climate datasets. Scientific reports, 15(1), 30654.

Sun S, et al. (2025) Temporal Dynamics and Adaptive Mechanisms of Microbial Communities: Divergent Responses and Network Interactions. Microbial ecology, 88(1), 94.

Chambers TL, et al. (2025) Methylome-proteome integration after late-life voluntary exercise training reveals regulation and target information for improved skeletal muscle health. The Journal of physiology, 603(1), 211.

Mahmoud HMM, et al. (2025) Evaluation of collagen sponge and xenografts versus collagen sponge alone in alveolar ridge preservation: a randomized controlled clinical trial. Scientific reports, 15(1), 43286.

Wei R, et al. (2025) Developmental validation of a novel multiple genotyping assay with 23 pigeon STR loci. Forensic sciences research, 10(4), owaf037.

Tedesco Triccas L, et al. (2025) EEG Responses to Upper Limb Pinprick Stimulation in Acute and Early Subacute Motor and Sensorimotor Stroke: A Proof of Concept. *Translational stroke research*, 16(5), 1564.

Shi J, et al. (2025) The impact of virtual images of coastal landscape features on stress recovery based on EEG. *Scientific reports*, 15(1), 17369.

Ozair F, et al. (2025) Phenotypic plasticity in maize grain yield: Genetic and environmental insights of response to environmental gradients. *The plant genome*, 18(3), e70078.

Rosado-Pulido EA, et al. (2025) Factors that influence the adoption of a school-based eHealth alcohol prevention program among Spanish personnel: a mixed methods study. *BMC public health*, 25(1), 436.

Abdel-Wahab EI, et al. (2025) Impact of planting dates on yield and resistance of soybean varieties to soybean stem fly (*Melanagromyza sojae*) in Egypt. *Scientific reports*, 15(1), 32599.

Ploysongsang K, et al. (2025) The effects of systemic and sustained hypoxia on orthodontic tooth movement in rats. *Scientific reports*, 15(1), 21468.

Simon LH, et al. (2025) Feasibility and acceptability of the Comprehensive Oncology Rehabilitation and Exercise (CORE) clinical workflow algorithm in patients with newly diagnosed stage I-III breast cancer who undergo surgery as first-line treatment. *Cancer*, 131(9), e35798.

Shimul SN, et al. (2025) Does raising tobacco taxes reduce the burden of non-communicable diseases? A panel data analysis of 152 countries. *BMJ open*, 15(7), e097447.

Shawqi M, et al. (2025) Dosage of epidural morphine analgesia after lower abdominal cancer surgery: a randomized clinical trial among the older adults. *Perioperative medicine (London, England)*, 14(1), 52.