

Resource Summary Report

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MPlus

RRID:SCR_015578

Type: Tool

Proper Citation

MPlus (RRID:SCR_015578)

Resource Information

URL: <https://www.statmodel.com>

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Description: Statistical modeling program that provides a wide choice of models, estimators, and algorithms in a program that has graphical displays of data and analysis results. Mplus allows the analysis of both cross-sectional and longitudinal data, single-level and multilevel data, data that come from different populations with either observed or unobserved heterogeneity, and data that contain missing values. Analyses can be carried out for observed variables that are continuous, censored, binary, ordered categorical (ordinal), unordered categorical (nominal), counts, or combinations of these variable types. In addition, Mplus has extensive capabilities for Monte Carlo simulation studies, where data can be generated and analyzed according to any of the models included in the program. The Mplus modeling framework draws on the unifying theme of latent variables. The generality of the Mplus modeling framework comes from the unique use of both continuous and categorical latent variables. Continuous latent variables are used to represent factors corresponding to unobserved constructs, random effects corresponding to individual differences in development, random effects corresponding to variation in coefficients across groups in hierarchical data, frailties corresponding to unobserved heterogeneity in survival time, liabilities corresponding to genetic susceptibility to disease, and latent response variable values corresponding to missing data. Categorical latent variables are used to represent latent classes corresponding to homogeneous groups of individuals, latent trajectory classes corresponding to types of development in unobserved populations, mixture components corresponding to finite mixtures of unobserved populations, and latent response variable categories corresponding to missing data.

Synonyms: Mplus Version 8

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

Keywords: statistical modeling software, data imaging software, software model, modeling estimator, modeling algorithms

Availability: Available for purchase, Free demo available, Student pricing is available

Resource Name: MPlus

Resource ID: SCR_015578

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260905T132756+0000

Ratings and Alerts

No rating or validation information has been found for MPlus.

No alerts have been found for MPlus.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1032 mentions in open access literature.

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

Shaw LA, et al. (2026) Autistic people and life experiences: the role of student skills and support. *Frontiers in psychiatry*, 17, 1733550.

Kuang X, et al. (2026) Spiritual well-being and mental health in Chinese college students: validation of the revised SHALOM. *BMC psychology*, 14(1).

Bajjani-Gebara J, et al. (2026) Evaluating a Tool for Assessment of Adjustment Disorder in the U.S. Military: The Adjustment Disorder-New Module 20 for Military (ADNM-20-MIL). *International journal of methods in psychiatric research*, 35(1), e70063.

Haga SM, et al. (2026) Validation of the City Birth Trauma Scale in a sample of Norwegian mothers. *Acta obstetricia et gynecologica Scandinavica*, 105(3), 508.

Hofmann S, et al. (2026) Stress management training for managers in small and medium-sized enterprises (KMU-GO): results of a randomized controlled trial. *BMC public health*, 26(1), 352.

Zhou X, et al. (2026) Latent profile analysis of social participation in stroke survivors with limb dysfunction: a mixed-methods study. *Journal of rehabilitation medicine*, 58, jrm44832.

Stott J, et al. (2026) Attention-Deficit/Hyperactivity Disorder Traits in Childhood and Physical Health in Midlife. *JAMA network open*, 9(1), e2554802.

- Weatherton M, et al. (2026) Resource Use in Introductory Biology: Evaluating Latent Patterns, Demographic Covariates, and Effects on Final Course Grade. *CBE life sciences education*, 25(2), ar20.
- Oyungu E, et al. (2026) Autism outcomes and neurobehavioural markers in young children born to mothers with HIV in Kenya: a protocol for the Alama project. *BMJ open*, 16(3), e109958.
- Chen A, et al. (2026) The influence of responsible leadership on nurse's career calling: a moderated mediation model of public service motivation and moral identity. *BMC nursing*, 25(1).
- Lundqvist C, et al. (2026) Assessing toxic leadership in high-performance sports: Psychometric validation of a Swedish Version of the Toxic Leadership Scale for Sports (TLS-S). *PloS one*, 21(3), e0343533.
- Troncoso-Tejada G, et al. (2026) Psychometric study of the political violence support scale in a sample of Chilean university students. *BMC psychology*, 14(1).
- Jiang A, et al. (2026) Validation of a Low-Burden, Once-Daily Obsessive-Compulsive Disorder Measure Over 70 Days: Ecological Momentary Assessment Study. *JMIR formative research*, 10, e86471.
- Dol M, et al. (2026) Stability and change of psychopathology symptoms among youth with chronic physical illness: A latent transition analysis. *Clinical child psychology and psychiatry*, 31(1), 212.
- Calvete E, et al. (2026) Bidirectional Associations Between Cyberbullying Victimization, Non-Suicidal Self-Injury, and Depressive Symptoms in Adolescents. *Journal of adolescence*, 98(1), 119.
- Pedneault CI, et al. (2026) Attitude Toward Sexual Aggression Against Women (ASAW) Scale: Evidence of Discriminant and Incremental Validity. *Sexual abuse : a journal of research and treatment*, 38(1), 45.
- Murphy D, et al. (2026) Does the Common-Sense Model of Illness Representations Predict Parent Help-Seeking for Adolescent Mental Health Distress? *Clinical child psychology and psychiatry*, 31(1), 150.
- Dalton MR, et al. (2026) Centering transgender and gender nonconforming people of color in the study of minority stress, transition-related factors, and mental health. *Frontiers in public health*, 14, 1716010.
- Zelenkov V, et al. (2026) Development and validation of the new self-reported food and nutrition literacy questionnaire: Food and Nutrition Literacy Survey - FANSy. *BMC public health*, 26(1).
- Murphy JP, et al. (2026) Kinship, gender, and the social networks of caregivers for older adults. *The Gerontologist*, 66(7).