Resource Summary Report

Generated by dkNET on Aug 16, 2026

ped-sim

RRID:SCR_026957
Type: Tool

Proper Citation

ped-sim (RRID:SCR_026957)

Resource Information

URL: https://github.com/williamslab/ped-sim

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Description: Software tool to simulate pedigree structures. Used for simulating relatives that can utilize either sex-specific or sex averaged genetic maps and also either model of crossover interference or traditional Poisson model for inter-crossover distances.

Synonyms: Ped-sim

Resource Type: source code, software application, simulation software, software resource

Defining Citation: PMID:31860654

Keywords: Pedigree simulator, simulate pedigree structures, simulating relatives, sex-specific, sex averaged, genetic maps,

Funding: NIGMS R35 GM133805;
Alfred P. Sloan Research Fellowship ;
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NHLBI R01 HL0113323;
NHLBI P01 HL045222;
NIDDK R01 DK047482;
NIDDK R01 DK053889;
NIGMS T32 GM007617;
NIGMS T32 GM083937;
Wellcome Trust

Availability: Free, Available for download, Freely available

Resource Name: ped-sim

Resource ID: SCR_026957

License: GNU GPL v3

Record Creation Time: 20250517T055756+0000

Record Last Update: 20260815T183256+0000

Ratings and Alerts

No rating or validation information has been found for ped-sim.

No alerts have been found for ped-sim.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Williams AL, et al. (2026) The rate of identical-by-descent segment sharing between close and distant relatives. HGG advances, 7(2), 100576.

Avadhanam S, et al. (2025) Phase-free local ancestry inference mitigates the impact of switch errors on phase-based methods. G3 (Bethesda, Md.), 15(8).

Tillmar A, et al. (2025) Comparative Study of Statistical Approaches and SNP Panels to Infer Distant Relationships in Forensic Genetics. Genes, 16(2).

Caballero M, et al. (2019) Crossover interference and sex-specific genetic maps shape identical by descent sharing in close relatives. PLoS genetics, 15(12), e1007979.