# Resource Summary Report

Generated by NIF on May 20, 2025

## Power Atlas

RRID:SCR_007207
Type: Tool

### Proper Citation

Power Atlas (RRID:SCR_007207)

### Resource Information

**URL:** http://www.poweratlas.org/

**Proper Citation:** Power Atlas (RRID:SCR_007207)

**Description:** The Power Atlas is a web-based resource to assist investigators in the planning and design of microarray and expression based experiments. This software is currently aimed at estimating the power and sample size for a two group comparison based upon pilot data. The methods underlying the web site are reported in Gadbury et al (2004) and the software is described in further detail at Page et al (2006). There are two ways to use the Power Atlas: 1. We have downloaded the datasets currently in the Gene Expression Omnibus (GEO) and processed each of them with our power analysis software. Investigators may search among the datasets for the experiment that most closely resembles their proposed project and get sample size and power estimates. 2. Investigators may upload their own preliminary data and the program will extrapolate power from this dataset.

**Synonyms:** Power Atlas

**Resource Type:** software application, software resource, data or information resource, database

**Funding:**

**Resource Name:** Power Atlas

**Resource ID:** SCR_007207

**Alternate IDs:** nif-0000-00782

**Record Creation Time:** 20220129T080240+0000

**Record Last Update:** 20250519T203501+0000

## Ratings and Alerts

No rating or validation information has been found for Power Atlas.

No alerts have been found for Power Atlas.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Fu WJ, et al. (2010) Statistics and bioinformatics in nutritional sciences: analysis of complex data in the era of systems biology. The Journal of nutritional biochemistry, 21(7), 561.

Page GP, et al. (2008) Bioinformatic tools for inferring functional information from plant microarray data: tools for the first steps. International journal of plant genomics, 2008, 147563.

Page GP, et al. (2006) The PowerAtlas: a power and sample size atlas for microarray experimental design and research. BMC bioinformatics, 7, 84.