

Resource Summary Report

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LinDA

RRID:SCR_025966

Type: Tool

Proper Citation

LinDA (RRID:SCR_025966)

Resource Information

URL: <https://github.com/zhouhj1994/LinDA>

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Description: Software linear models for differential abundance analysis of microbiome compositional data. Used to tackle compositional effects in differential abundance analysis. It fits linear regression models on centered log2-ratio transformed data, identifies bias term due to transformation and compositional effect, and corrects bias using mode of regression coefficients. It could fit mixed-effect models.

Synonyms: Linear models for differential abundance analysis of microbiome compositional data (LinDA), Linear models for differential abundance analysis of microbiome compositional data

Resource Type: software resource, data processing software, software application, data analysis software, source code

Defining Citation: [PMID:35421994](#)

Keywords: differential abundance analysis, microbiome compositional data, differential abundance analysis,

Funding: NIGMS R01GM144351;
NSF ;
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Resource Name: LinDA

Resource ID: SCR_025966

Record Creation Time: 20241023T053303+0000

Record Last Update: 20260803T040916+0000

Ratings and Alerts

No rating or validation information has been found for LinDA.

No alerts have been found for LinDA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

von Ameln Lovison O, et al. (2025) Unveiling the role of the upper respiratory tract microbiome in susceptibility and severity to COVID-19. Frontiers in cellular and infection microbiology, 15, 1531084.