

Data Science at NIH

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Data Science at NIH

- Broadly defined to include
 - Data management
 - Statistics
 - Bioinformatics
 - Computational Biology





Extramural

- Types of data science funded
 - Data management: Infrastructure to improve
 - Statistics, Bioinformatics, Computational Biology
 - Methodology development
 - Innovative adaptations of methods
 - Applications of existing methods
- Where data science is funded
 - All ICs
 - BD2K



Office of the Associate Director for Data Science

U.S. Department of Health and Human Services National Institutes of Health

NIH Data Science at NIH

Search

Data Science Community BD2K Commons News & Events About

Enabling Biomedical Scientists and Researchers to capitalize more fully on the Big Data being generated by the research communities

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Data Science Community

BD2K Big Data to Knowledge

Commons

datascience.nih.gov



Discussion

- Training
- Collaboration
- Research



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Discussion: Training

- Are biomedical* scientists getting a foundation in statistical thinking and an introduction to modern techniques?
- Are statisticians (who work in biomedical science) getting a foundation in the domain?

* biomedical is broadly defined to include the range of science that NIH funds, including behavioral science, clinical, and translational



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Discussion: Collaboration

- Are there enough statisticians to meet the needs of biomedical scientists as consultants or collaborators?
- What can be done to encourage collaborations, whether short or long term?



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Discussion: Research

- What can be done to encourage statisticians to work on statistical problems resulting from pressing biomedical problems?



Data Science at NIH

- ▶ <https://datascience.nih.gov/adds>
- ▶ bd2k@nih.gov
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