Data Science at NIH

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Data Science at NIH

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





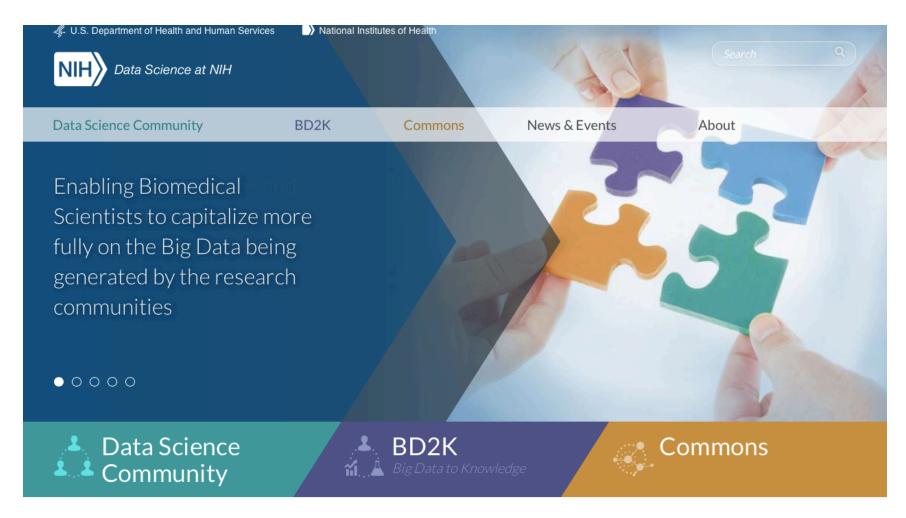


Extramural

- 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



datascience.nih.gov



Discussion

- Training
- Collaboration
- Research







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







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?







Discussion: Research

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





