## Data Science at NIH

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#### **Data Science at NIH**

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





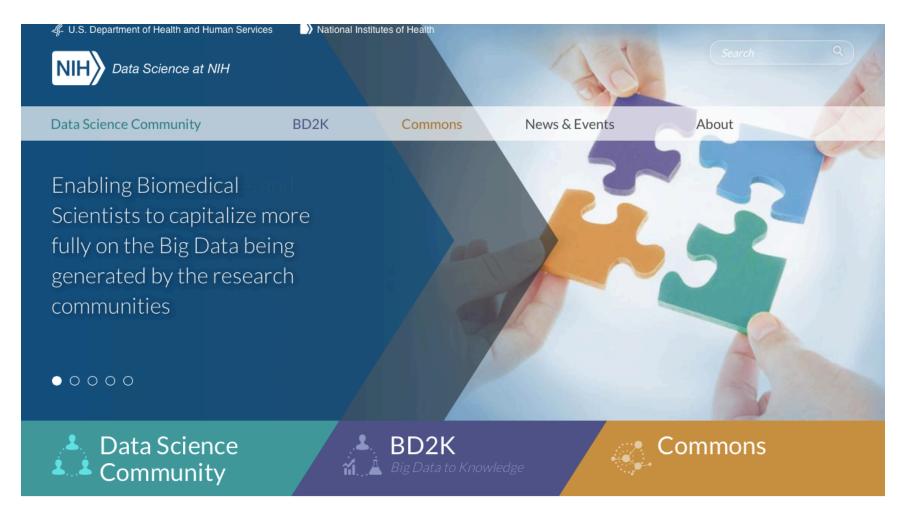


### **Extramural**

- 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?

<sup>\*</sup> 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?





