



**Princeton**  
Research Computing

# Princeton Research Computing Bootcamp

Welcome & Introduction

Ian A. Cosden, Ph.D.

*Manager, HPC Software Engineering & Performance Tuning*



# Goals of the Bootcamp

1. Exposure
  - 3T's: Tools, techniques, and terminology
2. Increase productivity
  - Tackle new problems
  - Develop good habits
3. Meet new people
  - Princeton computational community



# Lots and lots of topics

- Typical workflows
  - We can't cover everything!
  - We can't dive deep
- Some familiar topics
- Some brand new
- LOTS OF INFORMATION





# We have a diverse group!

big

1. Andlinger Center
2. Astrophysical Sciences
3. Chemistry
4. Civil and Environmental Engineering
5. Computer Science
6. Ecology and Evolutionary Biology
7. Economics
8. Electrical Engineering
9. Geosciences
10. Mechanical and Aerospace Engineering
11. Molecular Biology
12. Neuroscience
13. Office of Population Research
14. Operations Research and Financial Engineering
15. Physics
16. Plasma Physics
17. Politics
18. Psychology
19. Quantitative and Computational Biology
20. Sociology
21. Woodrow Wilson School of Public and International Affairs

# We have a diverse group!

big

- We need your help!
- Ask questions
  - Ask the Instructors: Thurs 1-2
- Hand on sessions
  - Raise hand if problem
  - Help your neighbor
  - Be aware of noise level
  - Instructors may have to move on
- First session
  - Many helpers

# Logistics

- Restrooms down hall
- Morning, lunch, and afternoon breaks
- Drinks in room need lids
- Tomorrow evening reception 5-6
  - Professors lounge, Fine hall



# We want your feedback!

- There's still time for the pre-survey

<http://bit.ly/2018-PU-Bootcamp>

- Thursday before lunch – survey
  - Reviews of each session & whole
  - What was good?
  - What could have been better?
- Another survey in a few months

# Thanks to our sponsors!

- PICSciE and OIT Research Computing
- School of Engineering and Applied Science (SEAS)
- Princeton Neuroscience Institute (PNI)
- Program in Applied and Computational Mathematics (PACM)
- Center for Statistics and Machine Learning (CSML)

