Iowa Neuroimaging Consortium
Summer Neuroimaging Bootcamp 2022
Monday, May 23 – Friday, May 24, 2022
09:00 – 12:00
Who is the Iowa Neuroimaging Consortium?

It's you! It's ALL neuroimagers @ Ulowa

INC is a mechanism to promote interdisciplinary collaboration in neuroimaging research

We are neuroscientists, physicists, engineers, psychiatrists, neurologist, radiologist, computer scientists, cognitive scientists, psychologists, radiochemists, biostatisticians, neurosurgeons, etc.

We are Faculty, Staff, and Students

We provide services: research support, training, image processing, and data management

Who is the Bootcamp for?

Anyone! (who wants to understand neuroimaging)

Students and PIs doing neuroimaging research

Graduate students & Postdocs Summer Students!

Explorers of new techniques!

Beginners!
Learning Objectives

• Develop an understanding of neuroimaging from a data science perspective
• Gain a basic understanding of how MRI signals are generated
• Understand how different types of MR images are acquired and what information they provide
• Understand the techniques used in cleaning and preparing neuroimages to extract high quality biologically meaningful information from MR images
• Gain an appreciation of the complexity and pitfalls of neuroimaging
• Introduction to modeling neuroimaging data, including statistical issues that arise and options for efficacious analyses and communication of neuroimaging results
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Bootcamp Format

• 3 hours of lectures each day, for 5 days
• Lectures start promptly at 9:05am
• Lectures are ~45 minutes
• ~10-15 minute breaks for questions and bio-needs
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Website: www.neuroimaging.uiowa.edu/education/inc-summer-neuroimaging-bootcamp

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