

ABCD-ReproNim Course

ABCD-ReproNim.org: Reproducible analyses of ABCD data

The **ABCD-ReproNim Course** was designed to provide a comprehensive background to data from the ABCD Study® while delivering hands-on, interactive instruction to enable **rigorous and reproducible data analyses**. ABCD-ReproNim is a collaborative partnership between ABCD investigators and ReproNim.org.

Due to the COVID-19 global pandemic, the ABCD-ReproNim Course will be **virtual** and include both *asynchronous* and *synchronous* activities. The **13-week Online Course** will include access to pre-recorded video presentations and live Q&A with instructors who are ABCD investigators and reproducibility experts in the field. Readings will be provided for each lesson and data exercises will be posted to help students achieve learning objectives. During the course, students will self-organize into small, collaborative learning groups and develop proposals for data analysis or resource development projects. At the completion of the Online Course, enrolled students will be invited to attend a **5-day virtual Project Week**, where they will apply the skills they learned towards completion of a project and learn how to contribute to open source software. **For more information visit <https://ABCD-ReproNim.org>**

Important Dates

TA and Student Application Portal Open	July 25, 2020
TA Applications DUE	August 21, 2020
Student Applications DUE	August 28, 2020
Decision Letters Sent	September 7, 2020
October 16 – November 20, 2020	Online Course Weeks 1 – 6
Winter Break	
January 15 – February 26, 2021	Online Course Weeks 7 – 13
March 8 – 12, 2021	Project Week

ABCD-ReproNim training is targeted to **students, postdoctoral fellows, and early career faculty**. There are **no registration fees** and all materials will be **open and accessible**.

ABCD-ReproNim Course Syllabus: <https://www.abcd-repronim.org/syllabus.html>

Teaching Assistants We are recruiting four teaching assistants (TAs) who will provide support to ABCD-ReproNim students and instructors. TAs will be available to answer student questions on our Slack workspace and will lead a weekly Q&A. TAs will receive compensation in the amount of \$5,000 (USD) as a consultant for this effort. **Potential TAs will have:** (i) research experience with neuroimaging and cognitive science and/or psychology, (ii) prior experience analyzing data from large datasets, (iii) prior experience teaching, and (iv) familiarity with community standards and open source development. **TA applications are due August 28, 2020.**

Students ABCD-ReproNim students may participate as either Observer or Enrolled students. An unlimited number of Observer students are welcome to view the pre-recorded lectures, participate in Slack discussions, and access course materials. A hands-on data exercise will be made available each week to review and reinforce course content while developing practical skills in reproducible neuroimaging analyses. Enrolled students will receive additional direct support from ABCD-ReproNim Teaching Assistants and data exercises will be graded to assess achievement of course learning objectives. Enrolled students will receive an ABCD-ReproNim Certificate of Completion at the end of the course that may be listed on their CV or resume. **Potential students will have:** (i) some familiarity with cognitive science, neuroimaging, and/or psychology, (ii) working knowledge of Python 3 or familiarity in scripting in at least one neuroimaging package (e.g., AFNI, ANTS, FSL, FreeSurfer, SPM), and (iii) the ability to commit to the time requirements for the course. **Student applications are due August 21, 2020.**

ABCD-ReproNim is supported by an award from the National Institute of Drug Abuse (R25-DA051675)



Adolescent Brain Cognitive Development®
Teen Brains. Today's Science. Brighter Future.