



Call for Participation

The Federal Reserve Bank of Kansas City's Center for the Advancement of Data and Research in Economics (CADRE) is hosting the third annual "Economic Research in High Performance Computing Environments" workshop on **October 11-12, 2017**. The event takes place at the Kansas City Fed, 1 Memorial Drive, Kansas City, MO 64198.

The theme of this year's workshop is **"HPC and Advancing the Economic Research Agenda."** As we continue with CADRE's mission of supporting, enhancing, and advancing data or computationally intensive economic research, we are looking to provide examples of and guidance for how high performance computing can shape the economic research landscape.

To that end, we seek two types of presentations:

- **Economic research** that was fundamentally enabled or vastly improved by the use of HPC techniques and technologies. The presentations should highlight the role of the proper utilization of HPC and emphasize the costs and benefits of that utilization over alternative techniques and technologies.
- **Technology and methodological applications** that might help shape the economic research landscape in the future. As new technologies and techniques become more visible in the statistics, computer science, and technology realms, how might we think about applications for economic and financial research? Some examples might be, but are not limited to:
 - Using R with Big Data
 - Natural language processing and understanding
 - Large-scale neural networks and deep learning
 - Agent-based modeling with GPUs
 - Automated machine learning at scale
 - Containerization for sharing and reproducibility



We are especially interested in presentations that can connect new or emerging applications to estimation or simulation approaches similar to those done in the economic or financial literature.

Further information will be available from the CADRE webpage:

<http://cadre.kcfed.org>

Attendance is free but registration is required and space is limited.

Registration will open later in the summer.

Please submit a paper, or suggest a presentation by emailing

cadre@kc.frb.org.