

# CDI Data Science Community of Practice

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**Session format:** Lightning talks and group discussion

**Description:** Working knowledge of computer science and statistics (i.e. data science) is increasingly important for dealing with 21st century data-intensive scientific workflows. One of the biggest barriers in developing efficient workflows can be knowing what appropriate tools, packages, or techniques exist. Channels of communication between users engaged in similar work can help, but can be difficult to establish because practitioners are scattered across projects and offices. This session will solicit group input on a) the scope of a data science community of practice, b) identifying data science (or similar) groups that exist within and beyond the Bureau, c) exploring opportunities for data science to enhance existing Bureau science, and d) the potential ownership of such a group, including as a CDI Working Group. An established data science group would promote sharing and exchange of data science practices across the Bureau, with the ultimate goal of increasing efficiency, reproducibility, and scalability of science throughout USGS.