The Academic Data Science Alliance

doi: 10.5281/zenodo.4013981

CSCCE Community Profile

Information submitted by Steve Van Tuyl
Community Coordinator

Last updated on 3 September 2020

COMMUNITY OVERVIEW

The Academic Data Science Alliance (ADSA) is an international community formed in Spring 2019 that supports university researchers in their efforts to learn, use, and teach data-intensive tools and the responsible application of those tools. The community is made up of data science practitioners, managers, and industry representatives as well as representatives from funding organizations (government and foundations). ASDA seeks to reach their goal of bringing about the institutional changes needed to integrate data science into university research and training via special interest groups and working groups. Activities take place mostly online, using Google groups and Slack, and via a community newsletter with occasional in-person events.

- DATA SCIENCE
- DIVERSITY/EQUITY/INCLUSION
- STANDARD SETTING
- SKILLS DEVELOPMENT
- INFRASTRUCTURE DEVELOPMENT
- ACADEMIA-POLICY INTERFACE
- INDUSTRY-ACADEMIA PARTNERSHIPS

- Website: academicdatascience.org

COMMUNITY BASICS

50-75 core members within a broader community of >400

Mostly online with some in-person events

International

Open

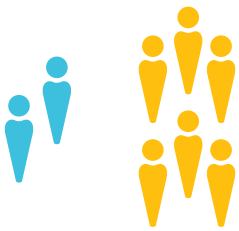
Infrastructure organization facilitating a community of practice

These numbers are an estimate

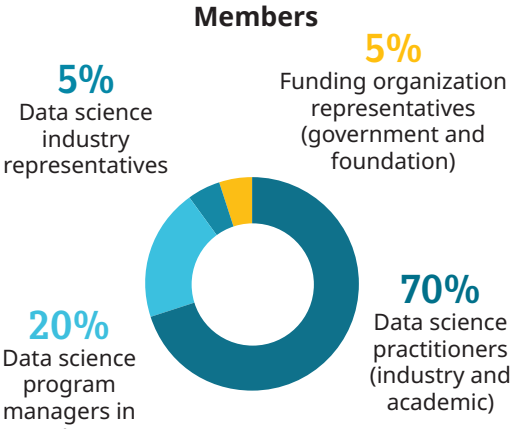
COMMUNITY STRUCTURE

Community Management

Community management is provided by one full time **Community Coordinator**, supported by the **Executive Director**, who acts as a "consultant," supporting multiple community-focused projects led by **others**.



Members



Community Configuration

© 2020 CSCCE. All rights reserved. Contact CSCCE for all other permissions.

Academic Data Science Alliance

CSCCE Community Profile

The Academic Data Science Alliance

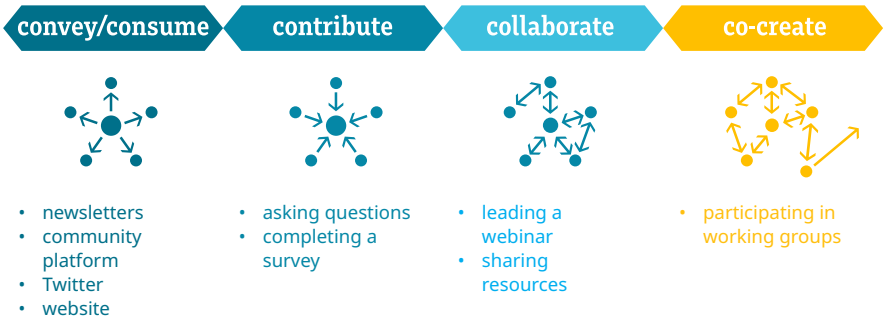
doi: 10.5281/zenodo.4013981

PROGRAMMING

The CSCCE Community Participation Model describes four modes of member engagement that can occur within a community: CONVEY/CONSUME, CONTRIBUTE, COLLABORATE, and CO-CREATE. All modes may be present at once, with some members interacting in multiple modes - or a community may have member engagement that falls into only some of the modes described. The model enables the mapping of community member behaviors to programming and other infrastructural support that the community manager, convening organization, or funder may provide to the community. For more information, see the CSCCE community participation model.

IN THIS COMMUNITY

Online activities include discussions in Google groups and Slack, group emails (via newsletter and shared email threads), webinars, and working groups / special interest group meetings. Offline activities include two annual conferences and community-led events.



OUTPUTS & EVALUATION

Success looks like 30-50% of the online community actively engaging with programming, and academic data science practitioners and managers using ADSA guidance resulting in a measurable impact on data science practice.

Evaluation and Reporting

- External evaluator (Board of Directors)
- Reports for community team
- Reports for leadership
- Community member surveys
- Community member interviews

Challenges

- Funding
- Low member activity
- Community buy-in
- Unclear community goals

Opportunities

- New working groups
- New funding stream
- New program
- Diversify digital engagement

Successes over the last year

- **Growth** – adding new members
- **Growth** – adding additional sub-communities or working groups
- **Engagement**– in-person event
- **Engagement**– increased activity of members (commenting or attending)
- **Productivity**– co-creating community outputs
- **Recognition**– awards/articles/ invitations
- **Recognition** – members see value

COMMUNITY TOOLBOX

Communications

Email
Slack
Twitter
Zoom
LinkedIn
Website

Productivity

Google Drive
JotForm

FUNDING

100%
Grants

Funding Streams

- 100% Grant funded (Sloan Foundation and Moore Foundation)

Members can apply for **travel stipends for internal and external events, stipends to run community activities,** *and* **pilot project funding** *through ADSA.*

© 2020 CSCCE. All rights reserved. Contact CSCCE for all other permissions.