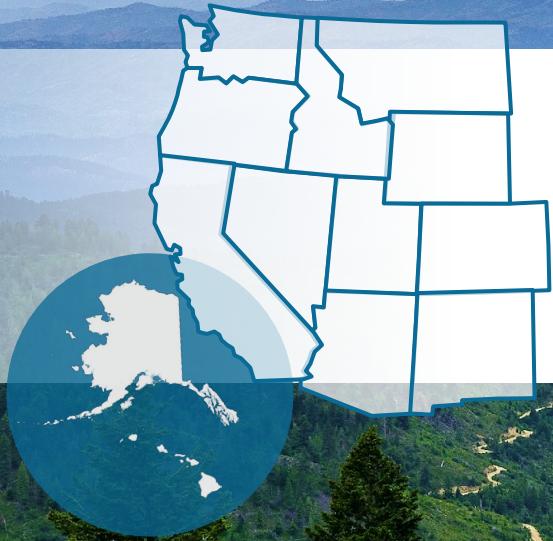


Carpentries Instructor Training

- March 2022

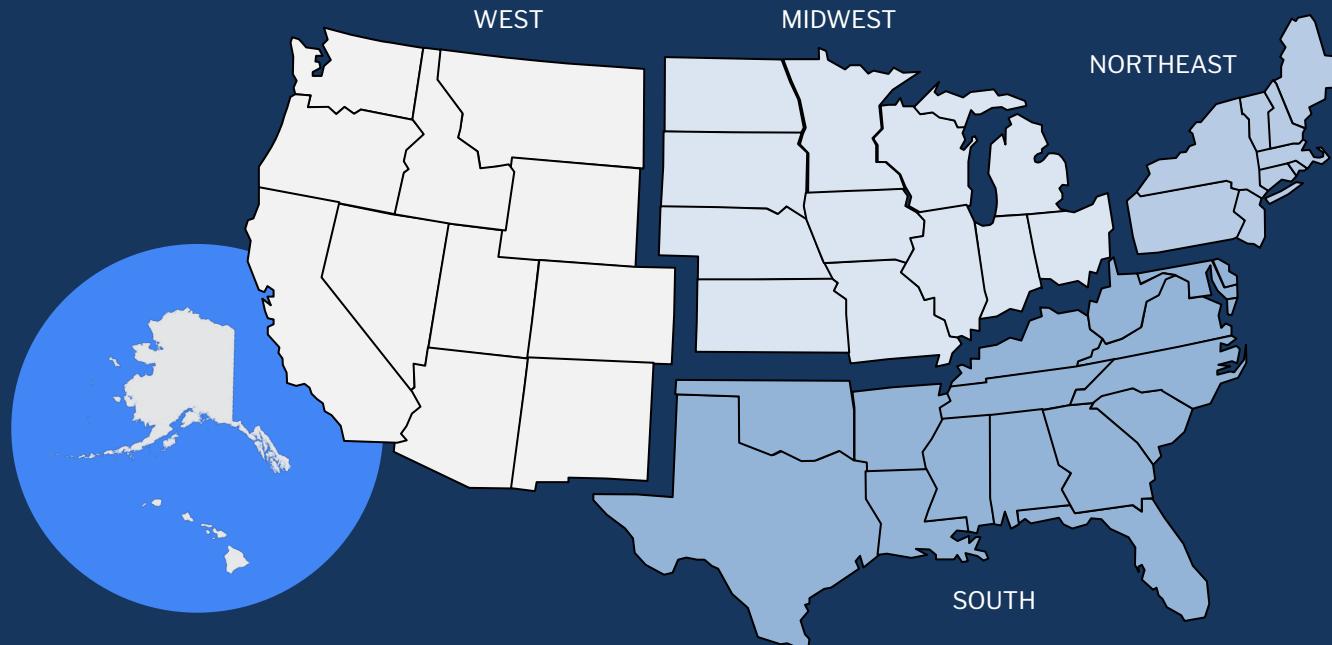


WEST
BIG DATA
INNOVATION
HUB

Sarah Stone, sstone3@uw.edu
Co-PI, University of Washington

westbigdatahub.org
[@westbigdatahub](https://twitter.com/westbigdatahub)
[#BDHubs](#)

Four hubs, one mission...



<https://bigdatahubs.org/>



build + strengthen partnerships across industry, academia, nonprofits, government

that address societal + scientific challenges,
spur economic development,
and accelerate innovation in the national big data ecosystem



WEST
BIG DATA
INNOVATION
HUE

2020-2025 Strategic Plan
a 'living document'

National Science Foundation Grants 1916573, 1916401, 1916402
UC Berkeley, UC San Diego, and University of Washington
Comments encouraged to info@westbigdatahub.org

RAISE AWARENESS

of regional opportunities, inspiring new contributions + commitments

CATALYZE

team formation across academia, industry, nonprofits, government

DEVELOP + ENABLE

translational data science pilot projects in our thematic areas

SUPPORT

data science education, training, and workforce development



WEST
BIG DATA
INNOVATION
HUB

West Hub Priority Areas



METRO DATA SCIENCE

Smart Cities + Communities,
Transportation, Housing, Police
Data, Economic Development



HEALTH + MEDICINE

COVID-19,
Diagnostics, Treatment,
Environment / Exposome



NATURAL RESOURCES + HAZARDS

Water, Energy, Climate,
Disaster Response + Recovery,
Sustainability



DATA-ENABLED SCIENTIFIC DISCOVERY + LEARNING

Open Science, Reproducibility,
Education, Workforce Development

ADDITIONAL CROSS-CUTTING EFFORTS:

- Cloud Computing
- Public Policy, Ethics, Privacy, Security
- Data Sharing, Infrastructure

- Data-Driven Storytelling / Data Literacy
- Data Challenges, Collaborative
- Community-Building Engagements

Diversity, Equity, and Inclusion

Broadening access and participation from all potential contributors and cultivating a sense of belonging are core to all Hub efforts

HOW DO WE DO THIS?

- Co-development of activities with stakeholders & partner organizations
- Support for early career participants & training-focused activities
- Balance representation amongst event speakers & highlighted projects
- Provide various onramps for & types of engagement



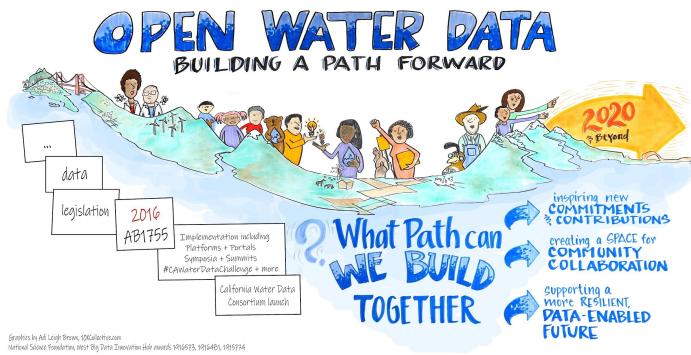
"I really see the Hubs helping support those conversations across their community and making sure that those other voices are being heard and not ignored."

"I dare say that many of the Native Americans that I've seen present...would not be allowed a seat at the table to ask questions anywhere else."

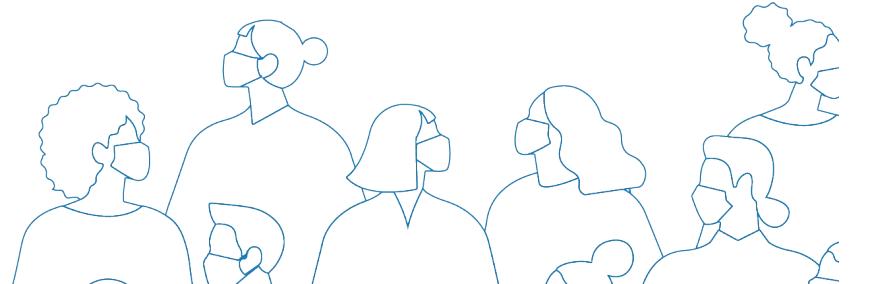
- quotes from community members

The West Hub fosters...

cross-state conversations & collaborations on issues of regional importance through focused, thematic roundtables.



UC San Diego



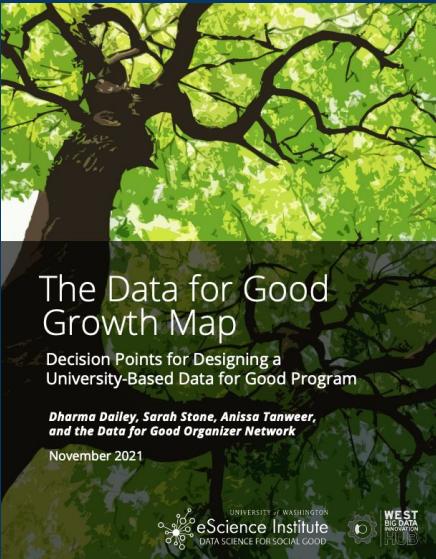
The West Hub uses data challenges...

to engage new participants in learning and applying data science techniques to pressing societal issues.



The West Hub supports...

our stakeholders in doing data science ethically and responsibly through workshops, network building & storytelling.



[West Big Data Innovation Hub Spoke Project Spotlight: Promoting Big Data Among the Underserved](#)

October 15, 2020

[New Mexico State University Shares Lessons Learned from Resilience Conference](#)

January 14, 2021

[Big Data as a Force for Equity](#)

February 27, 2021

Institute Framework for Integrative Data Equity Systems

The West Hub provides...

formal and informal training in data science education through co-developed workshops and Carpentries Train-the-Trainer events.

The screenshot shows the homepage of the HSI STEM HUB + West Big Data Hub. At the top, there is a navigation bar with links for Home, About, Goals, Registration, Instructors, Schedule, and Contact. Below the navigation is a large banner with a blue and red pixelated background. On the left side of the banner, the text "DATA SCIENCE" is written vertically. To the right, the text "Training and collaboration workshop" is displayed in large white font. At the bottom of the page, there is a footer section featuring logos for the West Big Data Innovation Hub, HSI STEM HUB, University of Washington eScience Institute, and the National Science Foundation (NSF).



The West Hub collaborates with...

the national Hub community to support NSF initiatives and scale West Hub activities to the national level.

COVID INFORMATION COMMONS

About CIC Search Tools ▾ Meet the Researchers Opportunities & Resources ▾ News Events Team Contact

The COVID Information Commons serves as an open resource to explore NSF-funded research addressing the COVID-19 pandemic.

HARNESSING THE DATA REVOLUTION

SEMANTICS ANALYTICS DATA SCIENCE
HYPERSECURITY DOMAIN SCIENCE CHALLENGES
NSF

FUNDAMENTAL RESEARCH CHALLENGES
BIOMEDICAL SCIENCE
INFRASTRUCTURE

MACHINE LEARNING
CASUALTY VISUALIZATION



2021 National Workshop on Data Science Education

June 14-18
Organized by the Division of Computing, Data Science, and Society at UC Berkeley



Upcoming West Hub Opportunities

Check out - westbigdatahub.org/upcoming-activities

- WiDS Datathon, **March 8 - June 30**
- [National Workshop on Data Science Education](#), **June 27 - 30**
- Data for Good Growth Map guide,
http://escience.washington.edu/wp-content/uploads/2021/11/Data4Good_GrowthMap.pdf

How Can We Help You?



**Letters of collaboration for
proposals**



**Partner on, colocate events
and (virtual) workshops**



**Promote data-related events,
tools, news**



Matchmaker for partnerships



... and more!

Join our mailing list at westbigdatahub.org