

Training and collaboration workshop

September 16th - 17th, 2019

ABOUT

Data Science is becoming increasingly important for students and researchers in STEM fields. The [HSI STEM Hub](#) in collaboration with [the West Big Data Hub](#) is offering a two-day workshop for STEM faculty at Hispanic-Serving Institutions of higher education in the [West Region of the United States](#) who would like to incorporate data science into their curriculum.

The two-day workshop, held at the [University of Washington eScience Institute](#) in Seattle will provide an overview of data science methods, tools and approaches for incorporating data science in the STEM curriculum. See [goals](#) below.

GOALS OF THE WORKSHOP



Data science ideas

Participants will learn new ways that data science can be integrated into their curriculum.



Data science training

Participants will use techniques and tools for teaching data science.



Data science tools

Participants will gain experience in teaching using approaches such as live coding, use of computational notebooks, version control, etc.



Community engagement

Participants will learn about applications of data science in community engagement (e.g., Data Science for Social Good).



Ethics

Participants will incorporate ethics considerations into use of data science tools and methods.



Collaboration

Participants will collaboratively develop concepts for further joint work.

Instructors, schedule, and registration details on back:



TENTATIVE SCHEDULE



Day 1

What is data science?

The West Big Data Hub (Speaker: Sarah Stone & Christine Kirkpatrick)

Teaching how to do data science with notebooks and live coding (Speaker: Ariel Rokem)

Building a community around data science training (Speaker: Kate Hertweck)



Day 2

Data Science for Social Good + ethical considerations (Speaker: Anissa Tanweer)

Working with public sector partners and stakeholders (Speaker: Jose Hernandez)

Using the cloud for teaching and research (Speaker: Amanda Tan)

Brainstorming and conceptualization session

INSTRUCTORS



Jose Hernandez
Data Scientist, UW eScience



Kate Hertweck
Bioinformatics training manager,
Fred Hutch Cancer Research
Center



Ariel Rokem
Data Scientist, UW eScience



Amanda Tan
Data Scientist, UW eScience



Anissa Tanweer
Research Scientist, Human-
Centered Data Science, UW
eScience



To participate, please complete an application by midnight PST on August 4th:
<https://www.surveymonkey.com/r/DataSciTrainCollab>

Travel support is available. More information can be found at:
<https://uwescience.github.io/2019-09-16-dstc-workshop/>

