



Overview

The theme for WSDS 2017 is to “share **WISDOM** (**W**omen in **S**tatistics, **D**ata science, and **-OM**ics).” The goal of this hackathon is to focus the scientific and creative talent and wisdom of WSDS participants to support the global efforts to end human trafficking. We are grateful to Microsoft for their sponsorship of this event.

Watch this [video](#) of anti-human trafficking advocate Rachel Lloyd’s TedX-Chicago presentation to learn about the impact of this human rights epidemic. Please be aware this talk deals with very challenging subject matter. The following resources may also be useful to help you understand the scope of the problem.

Resources

Polaris Project <https://polarisproject.org/>

Shared Hope International <https://sharedhope.org/>

HEAL Direct Services <https://healtrafficking.org> (Health services)

Prostitution Research <http://prostitutionresearch.com/>

Coalition Against Trafficking in Women <http://www.catwinternational.org/Resources/Research>

Urban Institute <https://www.urban.org/policy-centers/justice-policy-center/projects/human-trafficking-research-portfolio>

Human Trafficking Center <http://humantraffickingcenter.org/>

National Institute of Justice <https://www.nij.gov/topics/crime/human-trafficking/pages/welcome.aspx>

The Challenge

The overarching goal is to contribute to the eradication of human trafficking. The problem is big so the challenge is open-ended. Teams are encouraged to be creative. As a starting point the following data sets have been identified. Teams are not limited to these data sets so be creative and identify other data sets - web scraping is encouraged!

Initial Datasets

<https://bluehub.jrc.ec.europa.eu/catalogue/dataset?tags=trafficking>

<http://www.humantraffickingdata.org/methodology>

<https://humantraffickingindicators.org/hti-data/>

<https://catalog.data.gov/dataset/governors-childrens-cabinet-county-crime-rates-and-population>

<https://catalog.data.gov/dataset/child-labor-country-master-data>

<https://www.kaggle.com/uconn/human-rights>

<https://drive.google.com/file/d/0BxDpF6GQ-6fbY25CYVRIOTJ2MHM/edit>

https://ucr.fbi.gov/crime-in-the-u.s/2015/crime-in-the-u.s.-2015/additional-reports/human-trafficking/humantrafficking_-2015-_final

Logistics

Team size is flexible but teams must have at least 2 people and no more than 5 people. It is the responsibility of the teams to coordinate their work both prior to and during WSDS. Teams may begin work as soon as they are formed! It is the responsibility of the teams to coordinate their work both prior to and during WSDS. Teams may begin work as soon as they are formed! All work must be completed and submitted by 10 am on Saturday, October 21st to be included in the judging. The logistics of how to submit the team presentation will be shared with the team lead on Friday, October 20th. This [form](#) should be completed by one member of the team to enter the hackathon.

Submissions

Teams will submit up to 4 presentation slides which reflect their contribution to the goal of ending human trafficking and should be prepared to make an “[elevator pitch](#)” describing their work during the WSDS closing session.

Submissions will be evaluated using the following criteria.

Strength of story

Your elevator pitch and presentation should provide a narrative that engages the audience and holds their interest. The presentation also clearly communicates the technical aspects of the submission. This is done through constructing a strong theme that is driven with compelling facts and a connection to the overarching goal of ending human trafficking.

Data-Driven

The submission must be supported by data through properly conducted analysis and carry objectively correct interpretations of evidence.

Visualization

The graphical aesthetics, such as color, shape, size, position, orientation, etc., are appropriately used given the context of the data. The visualizations used contribute to the strength of the narrative and improve the ability to connect the data to meeting the overarching goal in meaningful ways.

Use of External Data

Any publically available data may be used to supplement the provided data to enhance your analysis. This criterion will be judged based on the creativity and success with which your team uses the external data to meet the hackathon goal.

The winners will be highlighted in the December issue of Amstat News. The winners will select an organization dedicated to ending human trafficking and donation will be made in their names to the selected organization.

With your permission, we will also share the results with advocates who are devoted to ending human trafficking. One advocate told us, “Yes, please share with them that this work will benefit real people!!!”