1. Introduction to DataKind
2. What DataKind has done
3. What DKSG wants to do
4. What we need from you
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These are Revolutionary Times
Almost every interaction between ourselves and our world now takes place with a digital interface, creating unprecedented amounts of data that can teach us about our world in new ways.
However...
data scientists with the skills to leverage the unprecedented explosion of data from every corner of the globe are rare and in great demand from the business and finance sectors.

Meanwhile...
nonprofits and other mission-driven organizations have subject matter expertise to address large societal problems but often don’t have the ability or resources to harness this new opportunity.
DataKind brings organizations dedicated to solving the world’s biggest challenges together with expert pro bono data scientists to improve the quality of, access to and understanding of data in the social sector.
WE ♡ DATA

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DataKind tackles humanity’s biggest problems through data science

DataKind by the Numbers

1,565
Active Volunteers

12,649
Volunteer Hours Contributed

12
DataCorps Projects Completed

$1.7M
Pro Bono Services Delivered

47
Organizations Helped

11
DataDives Hosted
How We Work

We form teams to collect, analyze, and visualize data to enable better decision-making, leading to greater impact.

We bridge the gap between disparate communities so they can go farther together than they could apart.

We translate and ensure everyone is working toward the same objective.

We demystify data science and big data so that it is accessible, fun, and useful for all.

We recognize that working with data requires deep sensitivity and are open and transparent in everything we do.

We create solutions that can be shared across the sector so all can benefit.

DataKind tackles humanity’s biggest problems through data science.
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From DataDive to DataCorps to delivery
Created a machine learning algorithm that uses satellite images to identify villages in need

- Some of the poorest in rural Kenya and Uganda were identified and given money via mobile phone transfers—with no strings attached.
- Previously, manual data collection identified the neediest villages, but research showed a strong correlation between a village’s relative wealth and the roof material (iron versus thatch).
- DataKind volunteers developed an algorithm that uses satellite images to identify villages in need.
- Video presentation: [http://goo.gl/f3uiKy](http://goo.gl/f3uiKy)

DataKind tackles humanity’s biggest problems through data science
Template matching.
“This marks a really big step forward,” Jake Porway, DataKind’s founder and executive director, said in an interview with VentureBeat. “Now let’s create these other hubs that can keep this data-for-good effort moving.”

In April 2014, DataKind put out a call for applications for data scientists who wanted to form local chapters. Almost 100 people from more than 60 cities responded ... The result: a total of six chapters across three continents.
Jake Porway

Jake, Founder and Executive Director, is a machine learning and technology enthusiast who loves nothing more than seeing good values in data. He founded DataKind™ in the hopes of creating a world in which every social organization has access to data capacity to better serve humanity.

PopTech Social Innovation Fellow

Host, “Numbers Game,” on national Geographic

The New York Times

Contributor to HBR

Former data scientist at the NYTimes R&D lab

Contribution to HBR

BS, Computer Science, Columbia University

MS, PhD, Statistics, UCLA

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WE DATA

Welcome New Chapters!
Data for Good Going
Global
DataKind Singapore

DataKind tackles humanity’s biggest problems through data science
Chapters

Are volunteer-led, community hubs for data scientists and social organizations dedicated to doing good with data. Chapters are located in Bangalore, Dublin, San Francisco, Singapore, Washington DC and the United Kingdom.

- Lead the data-for-good movement in local communities
- Organize events and projects connecting local data scientist volunteers with mission-driven organizations
- Represent top data scientists and forward-thinking social innovators
- Further DataKind’s mission and impact across the globe
DataKind tackles humanity’s biggest problems through data science
Nov 2014 and Feb 2015

**Project Accelerators**

*bring the data science community together with mission-driven organizations in brainstorming sessions to take the first steps towards a successful data science project*

- Jumpstart thinking about how a mission-driven organization can use data to tackle a challenge or question
- Enable participants to ask questions, make suggestions, and, when possible, provide concrete help in thinking through data problems
- Allow mission-driven organizations to clarify their problem statements

DataKind tackles humanity’s biggest problems through data science
DataKind tackles humanity’s biggest problems through data science

Mar 2015

**DataDives**

Bring the data science community together with mission-driven organizations to collaborate on data solutions to tough problems over the course of a weekend

- Forge connections between talented data scientists and visionary social impact leaders
- Allow mission-drive organizations to experience the power of their data in just 48 hours
- Promote learning about new skills and methods in data science
6 – 12 months down the road

DataCorps

are a specialized team of pro bono data scientists who work on 6-9 month, in-depth projects for mission-driven organizations, including governments, foundations and nonprofits.

• Connects data scientists, social organizations and knowledge experts to tackle problems together
• Helps mission-driven organizations become more effective and efficient through data science
• Delivers analyses, visualizations, and findings to organizations so they can better fulfill their missions
• Enhances data literacy in organizations

DataKind tackles humanity’s biggest problems through data science
Nov 2014, Jan 2015, Feb 2015

DataDive 101

Is a series of DKSG developed workshops to prepare our volunteers for DataDives. The workshops will include hands-on tutorials to cement your learning.

- Led by chapter leads and volunteer mentors from the data science community
- Full day sessions, with mornings looking at the theory and afternoons focused on actual implementations
- Research staff from mission-driven organizations are welcome to attend.
DKSG’s half year roadmap

2014
November
• DataDive 101a (data munging)
• Project Accelerator Night

December
• Meetup

2015
January
• DataDive 101b (simple modeling)

February
• DataDive 101c (data visualization)
• Project Accelerator Night

March
• DataDive!

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Core Values
Be tough on ideas, be gentle on people

All DataKinders are:
• Humble
• Sensitive and Thoughtful
• Approachable and Fun
• Transparent and Open
• Committed to Excellence
• Committed to Diversity

Join us to learn new skills, meet like-minded people and do good!

DataKind tackles humanity’s biggest problems through data science
Volunteer roles (contact Kai Xin at: thiakx@gmail.com)

- Core Volunteers
  - Data Experts
  - Data Wranglers
  - Data Ambassadors
  - Nonprofit Ambassadors
- Logistic Volunteers
- DataDive 101 Mentors
Social Good Organizations
(contact Oliver at: oliverxchen@gmail.com)

• Tell us your aspirations and your problems!
• Successful outcomes:
  • You come to understand the value of data and change your data processes or even hire data focused staff
  • Through processes we implement, you’re better able to:
    • make evidence-based decisions from your data
    • measure your impact
    • increase your impact

DataKind tackles humanity’s biggest problems through data science
Data spectrum of Social Good Organizations

*You don’t think you have data*

- First engagement: Project Accelerator
- How to digitize and leverage what you already have
- How to collect, improve and extend your datasets
- E.g.: We can support you in a proposal to access government data, or help you in implementing a data collection process

DataKind tackles humanity’s biggest problems through data science
Data spectrum of Social Good Organizations

You do have data

• First engagement: Project Accelerator or DataDive
• Talk to us about the hard questions you’re trying to answer
• How to use data for evidence-based decision making and increasing your social impact
• How to use your data responsibly
• E.g.: We work together to implement a solution with your data

DataKind tackles humanity’s biggest problems through data science
Data spectrum of Social Good Organizations

You have staff who are researching your data

- First engagement: DataDive or DataCorps
- Talk to us about your dreams
- E.g.: We can work with you to integrate external data sources and processes, or visualize your data to increase engagement

DataKind tackles humanity’s biggest problems through data science
How volunteers can help on outreach

*If you’re volunteering/working with a social good organization*

1. If they have data staff, invite them to join DataKind
2. Talk to program staff about DataKind and how DataKind can work with them.
3. Once they’re interested, help to make a connection with us

DataKind tackles humanity’s biggest problems through data science
How volunteers can help on outreach

*If there’s a social good organization that you’re interested in*

1. Check with us that it’s a suitable organization
2. Visit the nonprofit’s website and go through their reports and data to understand their approach
3. Talk to us about any insights you have about the nonprofit. E.g.: how they can improve or change their data collection, what other publicly available datasets they can use, other analyses that can be done on their data, etc
4. We’ll work with you on this to contact the organization and help them see the possibilities of working with DataKind

DataKind tackles humanity’s biggest problems through data science
How to Contact Us

Mailing list: http://www.datakind.org/getinvolved/

singapore@datakind.org

https://www.facebook.com/DataKindSG

http://www.meetup.com/DataKind-SG/

@DataKindSG

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