



Doing Data Science for
Charitable Organisations

Introduction

- Programme run within AIMLAC & DI CDT's
 - Two day hackathon - 30th-31st March 2022
 - Event open to all students
 - Preparation work to be done by Data Champion team - participation voluntary
- Answering real world questions for charities and delivering work to improve their operations
 - Helping them to find weak areas or extend their reach
 - Giving them useful metrics to pitch to funding bodies

DataAid Committee



Ben Henderson

Student Lead



Hattie Stewart

Student Lead



Reyer Zwiggelaar

AIMLAC Lead



Biagio Lucini

DI Lead & SCW
Representative



Mark Newby

Consultant (Giving Department)

Why Get Involved?

- Personal development skills
 - Team working, leadership, communication, problem solving, training/mentoring
- Technical skills
 - Python (inc. pandas, numpy etc), data cleaning, AGILE project management, git, HPC
- Cohort skill sharing
- Use your skills to help others

January 2021 Event

- Fully remote event held on Zoom and Slack
- Approximately 25 students involved + charity partners and CDT members
- Support from SCW throughout event
- 3 Charities - The Diana Award, Chance to Shine, The Fairtrade Foundation
- Gave quantitative insights into their data which they will present to their funding bodies

Roberta Chiovoloni

The Diana Award Lead Communicator

Why did I sign up?

- Great way to practise data analysis on *real life* data
- Learn skills from other Data Champions
- Great cause!

Roberta Chiovoloni

The Diana Award Lead Communicator

What did we do?

- Learning about the charity
- Deciding the “main goal”
- Clean + augmentation of data (pre-event)
- Data Analysis (during the event)

Roberta Chiovoloni

The Diana Award Lead Communicator

What did I get from this experience?

- Break from research!
- Engagement with people in a sector I am interested about
- Team work
- Satisfaction from seeing the immediate results of our work!

Ben's and Hattie's experience

- Through running DataAid we have learned alot about managing teams and organising multiple factors of a project simultaneously
- We've gained skills in training others
- We have enjoyed working as part of the committee with members of the CDT board to bring the project to life
- We have also enjoyed working with the students directly in the lead up to the event
- Working with the charities has been very rewarding as we were able to directly see how our work was helping them

March 2022 Event

- Date confirmed for next event!
- 2022 event will be in person (pandemic permitting)
- Charity recruitment process is already underway

Opportunities to Get Involved

- Event is open to all CDT students to attend
- If you would like to be more involved in the lead up to the event we will be recruiting Data Champions at the September event
- Currently we are looking for more students to help us organise the event
- Positions are open for DataAid Committee Members

DataAid Committee Member Role

- Attend committee meetings and Data Champion project management meeting
- Drive the development of the programme
- Assist in charity selection process, this involves meeting with a shortlist of charities.
- Event planning and management
- Work closely with CDT boards and SCW to transfer charities data securely

Skills required

None!

Skills you will gain

- Experience in data protection
- Programme management
- Project management
- Managing teams
- Leadership
- Communication (to technical and non-technical people)

Skills you will gain

- Event management
- Team skills
- Experience with project management tools
- Experience being chair and secretary of meetings

Thank you!

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