Doing Data Science for Charitable Organisations
Introduction

- Programme run within AIMLAC & DI CDT’s
  - Two day hackathon - 30\textsuperscript{th} - 31\textsuperscript{st} 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 a lot 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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