

# Data Science For Social Good

Summer Fellowship

Carnegie Mellon University

## 2022 Summer Project Plan

Week	Activity	Goal	Output
1	Orientation	Make new Friends (both human and technical)	
2	Project Definition & Data Discovery	Data Audit and Exploration Problem Understanding	Counts from all data sources and Descriptive Statistics
3		Finalize Project Scope and Data Stories	Project Scope and Data Stories
4		Initial Data Science Pipeline Setup and Mockups of final deliverable(s)	Skeleton Code (Pipeline), Mockups, Technical Plan
5	Code Pipeline Development	Iteration 1 - Build End to End Code Pipeline (Focus on end-to-end shell)	Code (Pipeline), Initial Models (and analysis)
6			Early Results: <i>Correct but Crappy</i>
7		Iteration 2 - End to End Code Pipeline (Focus on feature development)	Feature List
8			Model Interpretation
9		Iteration 3 - End to End Code Pipeline (Focus on evaluation, results and initial front-end demo)	Results (across models, features, metrics for accuracy, bias/fairness)
10			UI Demo (if applicable) or outline of deliverable
11	Communications & Transition Planning	Project Report and Presentations Transition Planning	Project Report, Presentations, Validation Plan, Implementation Plan
12	Presentations & Transition	Final Presentations and Transition to Partner and CMU Team	Transition Plan, Running code and demos