

# Compassion



Compassion International is an American child sponsorship and humanitarian aid organization headquartered in Colorado Springs, Colorado, that aims to positively influence the long-term development of children globally who live in poverty.

## Project Description

Compassion supports specific partner churches or communities through Complementary Interventions (CIVs). While CIVs are well-documented, there is a gap in the categorization available for analytics. Existing CIV categories are often broad, with the specific activity associated with that intervention buried in textual descriptions. HDAG will develop an NLP categorization approach that (1) identifies appropriate groupings and (2) categorizes CIVs into these groupings. As a secondary activity, categorized CIVs could be correlated to program outcomes data in order to measure the impact of specific CIV types.

1. **Group Extraction:** Data extract which categorizes all existing CIVs into useful groups based on the specific activities described in Salesforce.
2. **NLP:** Python scripts containing NLP or other methods of categorization, which can be integrated into Compassion's systems to group future CIVs.
3. **(Secondary) Outcomes Correlation:** An analysis framework for correlating completed CIVs with outcomes survey results for Tanzania and/or Indonesia.

**Internal Partners:** Senior Program Cycle Coordinator at Compassion

**Datasets:** Salesforce database containing 24,000 CIV records; Outcomes dataset (secondary)

**Deliverables:** Midpoint and final deliverable

**Preferred Coding Languages:** Python

## Specific Skills

1. NLP: extract meaning and grouping from CIV descriptions
2. Statistics: secondary outcomes correlation analysis

Expected Technical Difficulty: **Intermediate**