

Results of Testing 1/30

Methodology: The programs identified the loans that would be tagged and these loans were checked to see if they really had the tag. If they didn't, then I manually went through them to make sure that the tagger hadn't simply missed the tag (this happens fairly often). I recorded the accuracy of the systems here.

#Animals: Failed @ 97.3%
#Eco-friendly: Failed @ <90%
#Fabrics: Success @ 100%
#FemaleEducation: Failed @ <90%
#FirstLoan: Failed @ <90%
#Elderly: Success @ 100%
#HealthAndSanitation: Success @ 100%
#JobCreator: Success @ 100%
#Refugee: Success @ 100%
#RepeatBorrower: Success @ 100%
#Technology: Success @ 100%
#Trees: Failed @ 93.75%
#Schooling: Success @ 100%
#Widowed: Success @ 100%

Any tags not listed above have been attempted, but I do not believe that accurate systems can be developed for them.

I would like permission from the Loan Taggers team captains to implement the systems that received over 99% for testing: Fabrics, Elderly, HealthAndSanitation, JobCreator, Refugee, RepeatBorrower, Technology, Schooling, Widowed
Basic logic for each system:

Fabrics:

If the loan use (short blurb) contains one of these words:

fabric, sewing, tailor, dressmaking, weaving, embroidery, batik, basketry, pagnes, Elei, elei

Elderly:

Check to see if “years old”, “years of age”, “year old”, “year-old” are present in the description

If so, check if the number previous is over 50.

HealthAndSanitation:

If the loan use (short blurb) contains “health”, “latrine”, or “sanita” (this is to include “sanitary, sanitation, etc.”) OR the sector of the loan is health

Additionally, the sector of the loan cannot be Agriculture or Retail

JobCreator:

If the loan use (short blurb) contains “labor” or “worker”

Refugee:

If the loan description contains “IDP”, “Internally Displaced Person”, “internally displaced person”, “refugee”, or “refugee”

Additionally, the description cannot contain “Gaza Strip” (reasoning for this is that there are a lot of loans where the borrower is not a refugee but that their home in the Gaza Strip has been “affected” by

refugees)

RepeatBorrower:

Checks to see if the loan description contains “repaid”

If not, checks to see if the borrower had another Kiva loan that is fully repaid

Schooling:

Checks if the sector of the loan is “Education”

Technology (OAF loans will not be included):

Check if the loan contains

"telephone", "TV", "mobile phone", "mobile money", "computer", "internet", "printing", "M-pesa", "mobile airtime", "biodigester", "solar home system", "cell phone" and plural versions of these

Additionally, all Ruma loans automatically get the tag regardless of finding one of the keywords

Widowed:

Checks to see if “widow” is in description and makes sure that “husband” is not in description

I will spend some time revising the other systems that failed testing and I will run tests again on these new systems on March 2.