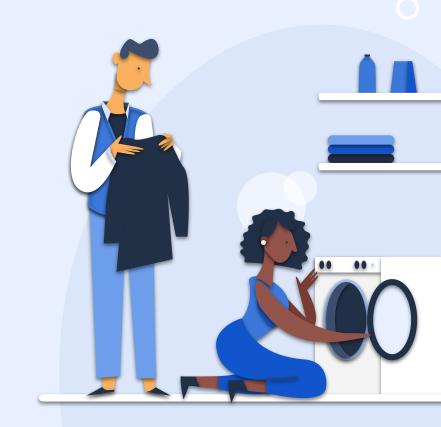
HOUSEHOLD GENDER EQUALITY DURING COVID-19

by Matt Ranalletta



DATA COLLECTION



Facebook, World Bank, UN Women, Equal Measure 2030, Ladysmith

Gender Equality + COVID-19's impact, July 2020

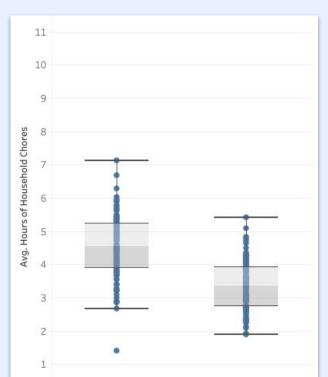


COVID-19 CASES

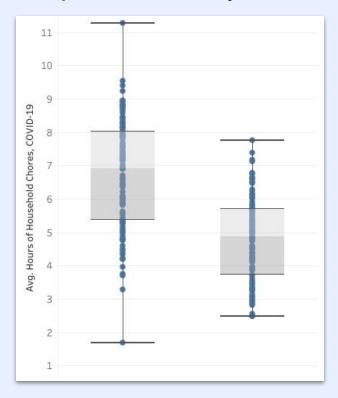
Our World in Data,
Johns Hopkins University

Per capita cases and deaths, through July 2020

Pre-Pandemic Reported Housework by Gender



July 2020 Reported Housework by Gender



Female Male Female Male

"COVID-19 HARDSHIP"

1

School canceled or reduced

2

Migrated to different geographical area

3

Difficulty accessing medical supplies

4

Longer wait time for medical care

5

Lost a job

6

Lost access to public transit

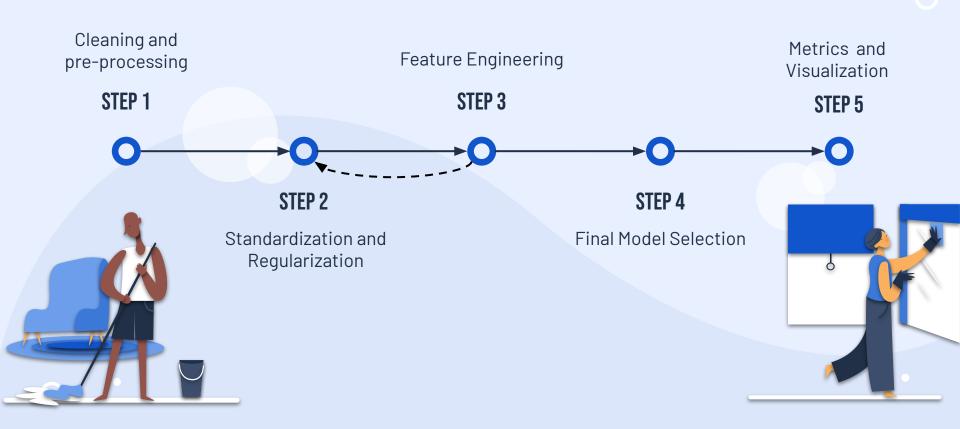
7

Unable to seek medical care

8

Isolated or following quarantine order

REGRESSION PROCESS





3.71

Root Means Square Error



FEATURE IMPORTANCE

| POSITIVE CORRELATION with "COVID-19 Hardship" | NEGATIVE CORRELATION with "COVID-19 Hardship" |
|--|---|
| Country in the Americas (+2.55) | Living alone (-1.72) |
| More likely to have internet access (+2.01) | Higher Human Development Index (-0.71) |
| COVID-19 cases per capita (+0.99) | COVID-19 deaths per capita (-0.57) |
| More likely to say you have an unsafe home (+0.95) | "Men and women should have equal opportunities" (-0.50) |
| Country in Sub-Saharan Africa (+0.88) | Population of country (-0.15) |

(And of course, being female)

FUTURE WORK

FUTURE CASES AND SURVEYS

Updated model based on new survey and COVID-19 case data

EXPLORE USE CASES FOR EQUALITY & EQUITY IN PUBLIC HEALTH

Focus on workplace or other economic effects of the pandemic or of other common ailments





THANKS!

Questions?

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