

Grand Anse, Haiti - Saftey Net Program

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3/8/2021

HDVI - Haiti's Deprivation and Vulnerability Index

HDVI

- ▶ Consists of 20 indicators of living conditions
- ▶ Across 7 dimensions of vulnerability
- ▶ Is a a number $[0 \leq \text{HDVI} \leq 1]$
- ▶ The higher the HDVI the higher the household deprivation

Household Classification

Households are classified into 4 categories

- ▶ More Deprived
- ▶ Mid Deprived
- ▶ Less Deprived
- ▶ Not Deprived

Objective:

*Of the 7 vulnerability measures, food vulnerability is the variable of interest, because food consumption is a good predictor of a household well-being.
This analysis is the first stage in identifying the most vulnerable population in Grande Anse, Haiti.*

Data:

Households were asked 3 series of questions regarding food security over the 4 weeks prior to the data collection/ survey interview period.

1. Absence of Food - If HH members experienced absence of food due to lack of resources.
2. Hunnnger - If HH members went to bed hungry becausee they could not eat sufficiently.
3. Restricted Consumptioon - If HH members were forced to fast during an entire day becuae theerre was not enough food.

Possible Responses:

1. never
2. sometimes
3. Often

Variables of Interest:

In the 4 weeks prior to the interview date:

Absence of Food + cat_hh_no_food_at_all1
+ cat_hh_no_food_at_all2 + cat_hh_no_food_at_all3

Forced to fast + cat_hh_day_no_food1,
+ cat_hh_day_no_food2 + cat_hh_day_no_food3

Went to bed hungry + cat_hh_bed_hungry1 +
cat_hh_bed_hungry2 + cat_hh_bed_hungry3

Summary Statistics

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Summary Statistics

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| ## Statistic | N | Mean | St. Dev. | Min | Pctl(25) |
|--------------|---|------|----------|-----|----------|
|--------------|---|------|----------|-----|----------|

##

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|----------|---------|-------|-------|---|---|
| ## urban | 264,402 | 0.206 | 0.404 | 0 | 0 |
|----------|---------|-------|-------|---|---|

| | | | | | |
|-----------|---------|-------|-------|---|---|
| ## hhsize | 264,402 | 4.292 | 1.949 | 1 | 3 |
|-----------|---------|-------|-------|---|---|

| | | | | | |
|---------|---------|-------|-------|-------|-------|
| ## HDVI | 264,402 | 0.372 | 0.166 | 0.002 | 0.251 |
|---------|---------|-------|-------|-------|-------|

| | | | | | |
|---------------------|---------|-------|-------|---|---|
| ## no_vulnerability | 264,402 | 0.139 | 0.346 | 0 | 0 |
|---------------------|---------|-------|-------|---|---|

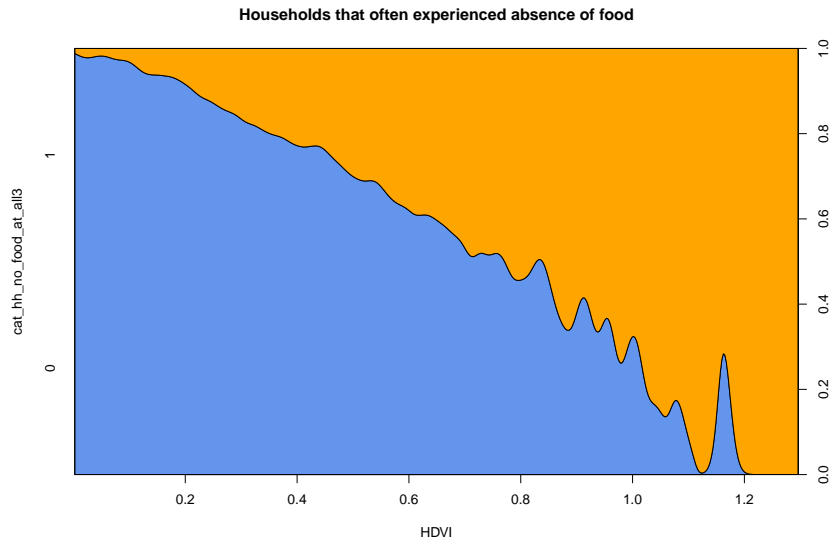
| | | | | | |
|-----------------------|---------|-------|-------|---|---|
| ## less_vulnerability | 264,402 | 0.172 | 0.378 | 0 | 0 |
|-----------------------|---------|-------|-------|---|---|

| | | | | | |
|----------------------|---------|-------|-------|---|---|
| ## mid_vulnerability | 264,402 | 0.246 | 0.431 | 0 | 0 |
|----------------------|---------|-------|-------|---|---|

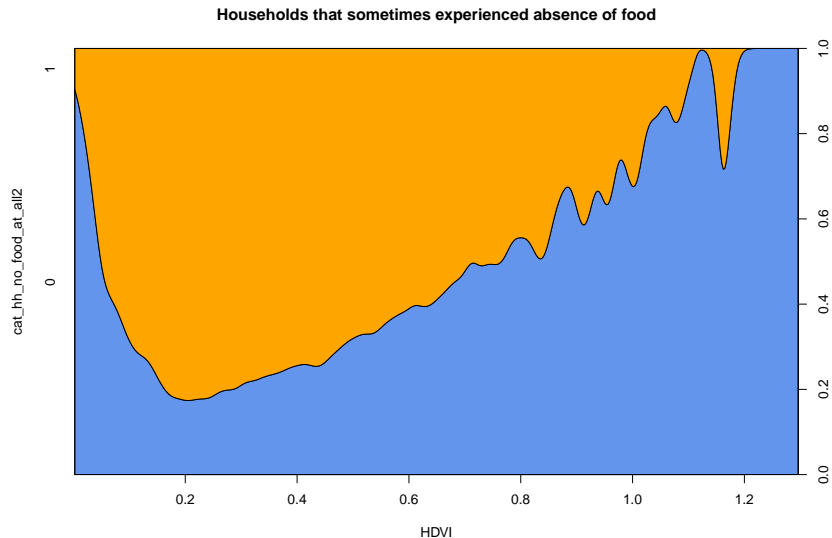
| | | | | | |
|-----------------------|---------|-------|-------|---|---|
| ## more_vulnerability | 264,402 | 0.443 | 0.497 | 0 | 0 |
|-----------------------|---------|-------|-------|---|---|

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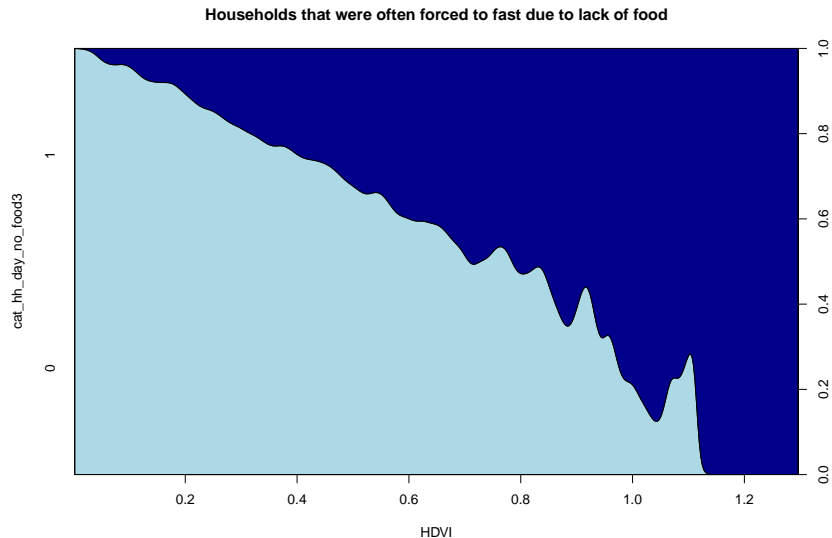
Absence of food - Often



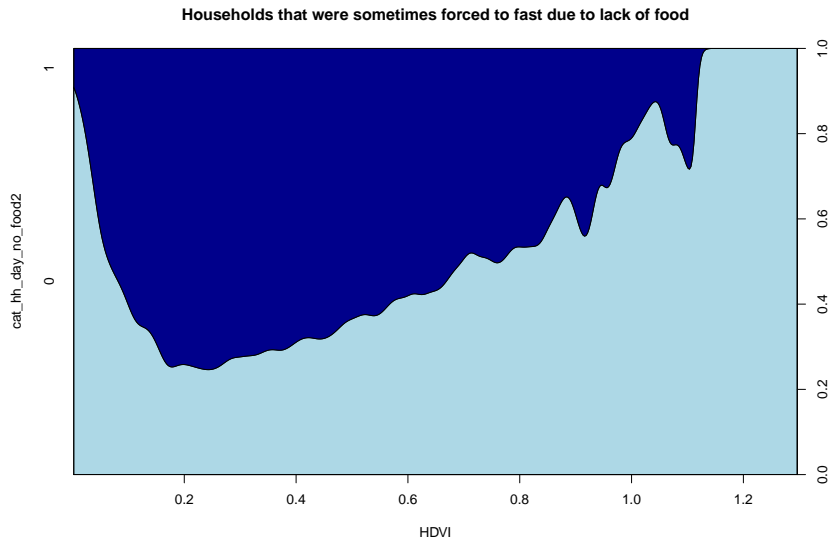
Absence of food - Sometimes



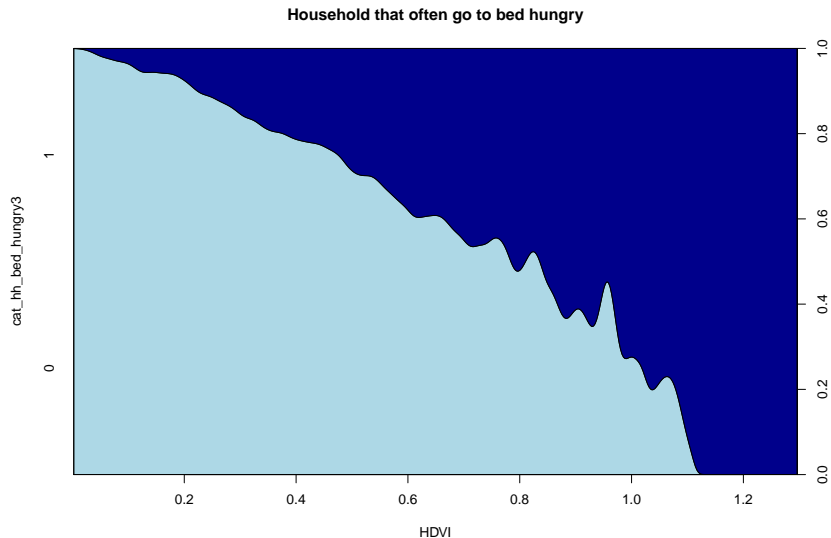
Forced to Fast - Often



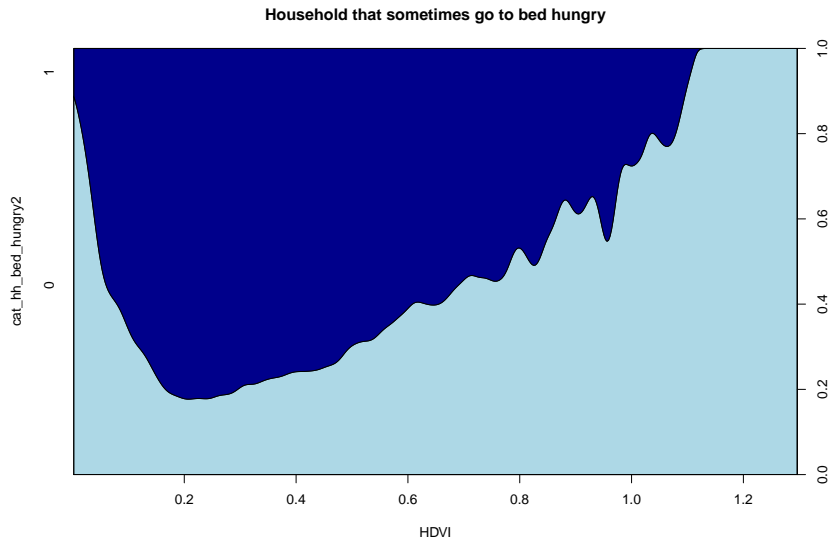
Forced to Fast - Sometimes



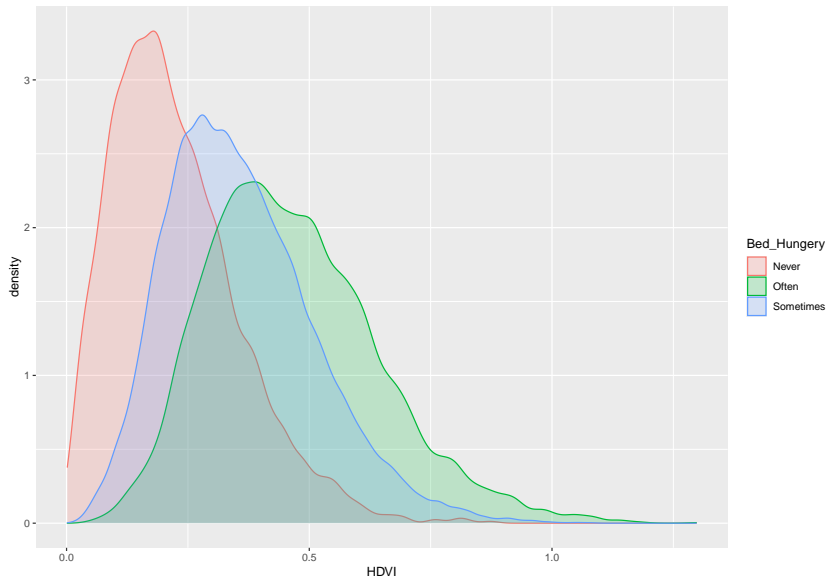
Went to bed Hungry - Often



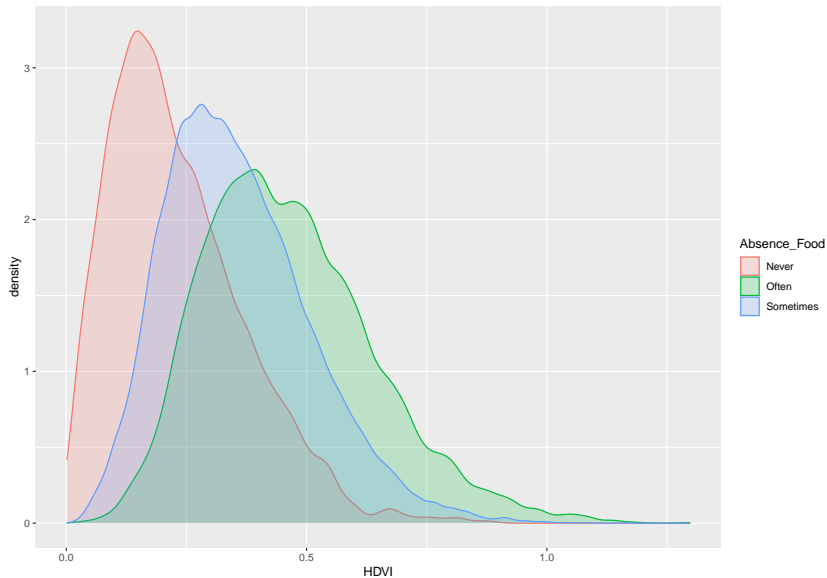
Went to bed Hungry - Sometimes



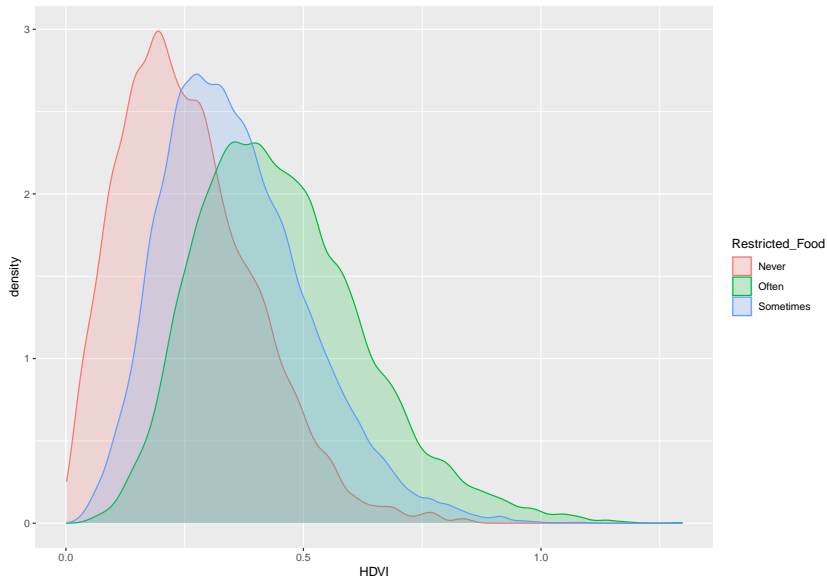
Population distribution - Gone to bed hungry



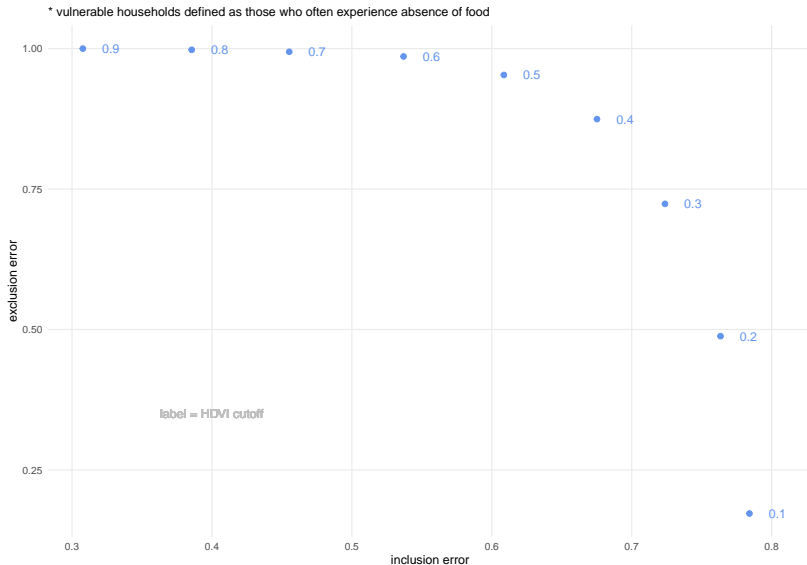
Population distribution - Absence of Food



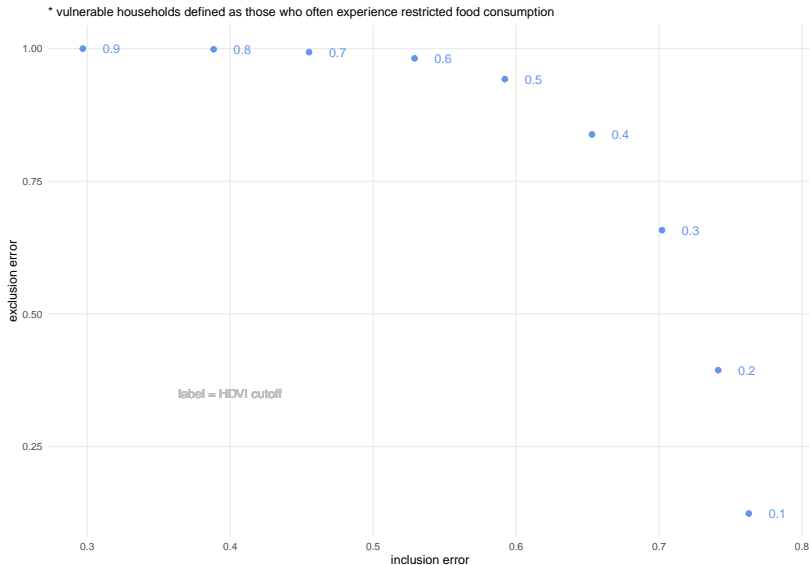
Population distribution - Restricted Consumption



Inclusion error & exclusion error, measured against absence of food



Inclusion error & exclusion error, measured against restricted food consumption



Inclusion error & exclusion error, measured against going to bed hungry

