Grand Anse, Haiti - Saftey Net Program

Noimot Bakare

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HDVI - Haiti's Deprivation and Vulnerability Index

HDVI

- ▶ Consists of 20 indicators of living conditions
- ▶ Across 7 dimensions of vulnerability
- ▶ Is a a number $[0 <= HDVI <= 1]$
- ▶ 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 vulnerabiilty measures, food vulnerability is the variable of interest, because food consumption is a good predictor of a househod 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. Hunger - If HH members went to bed hungry because they could not eat sufficiently.
3. Restricted Consumption - If HH members were forced to fast during an entire day because there was not enough food.

Possible Responses:

1. never
2. sometimes
3. Often
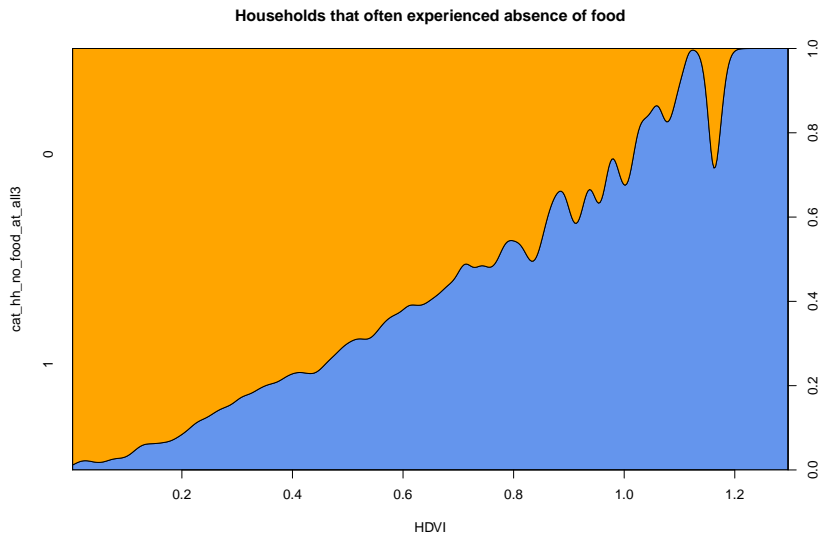
Variables of Interest:

In the 4 weeks prior to the interview date:

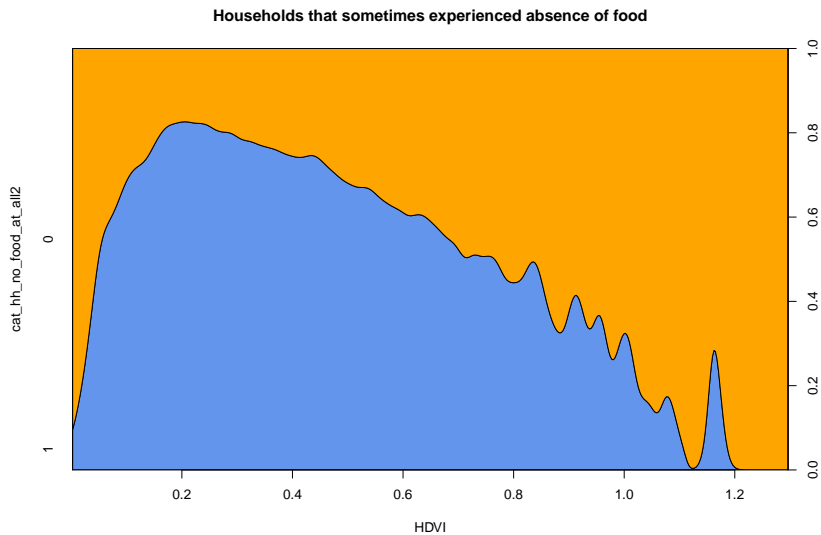**Absence of Food** - cat_hh_no_food_at_all1 - cat_hh_no_food_at_all2 - cat_hh_no_food_at_all3

Forced to fast - cat_hh_day_no_food1, - cat_hh_day_no_food2 - cat_hh_day_no_food3

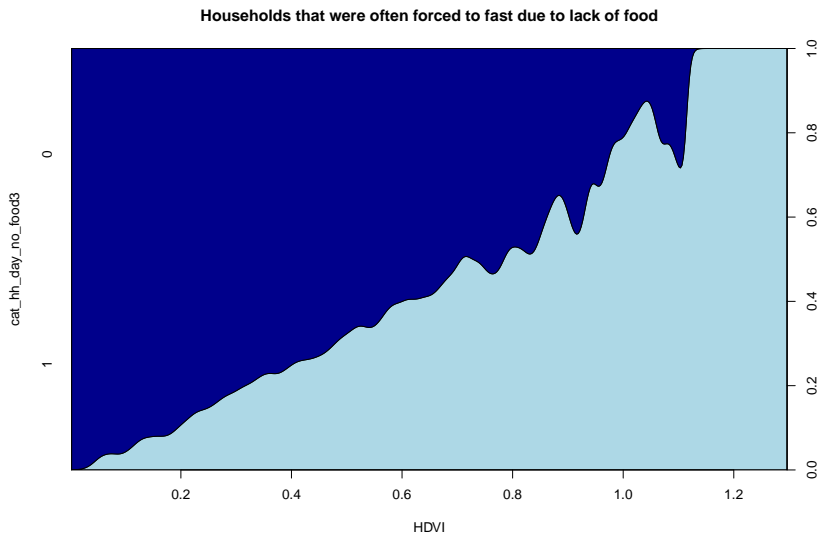**Went to bed hungry** - cat_hh_bed_hungry1 - cat_hh_bed_hungry2 - cat_hh_bed_hungry3
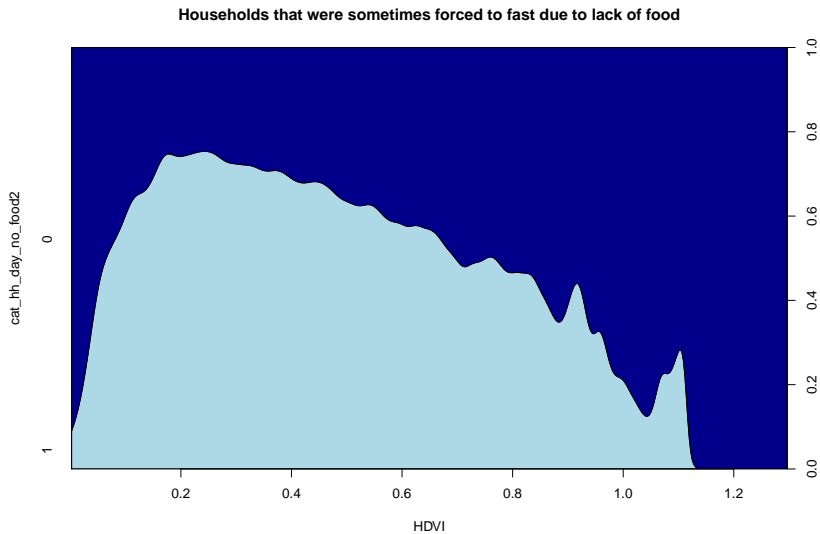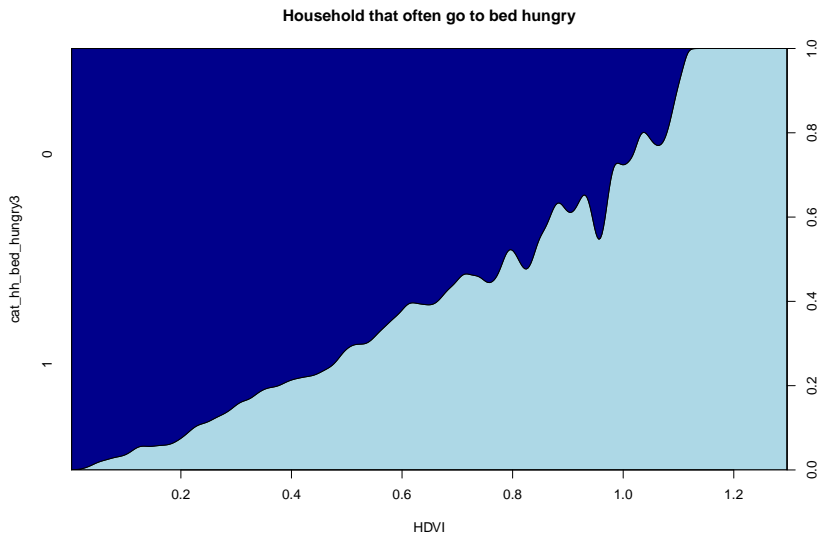
Absence of food - Often

Households that often experienced absence of food

Absence of food - Sometimes

Households that sometimes experienced absence of food

Forced to Fast - Often

Households that were often forced to fast due to lack of food

Forced to Fast - Sometimes

Households that were sometimes forced to fast due to lack of food

Went to bed Hungry - Often

Household that often go to bed hungry

Went to bed Hungry - Sometimes

Household that sometimes go to bed hungry
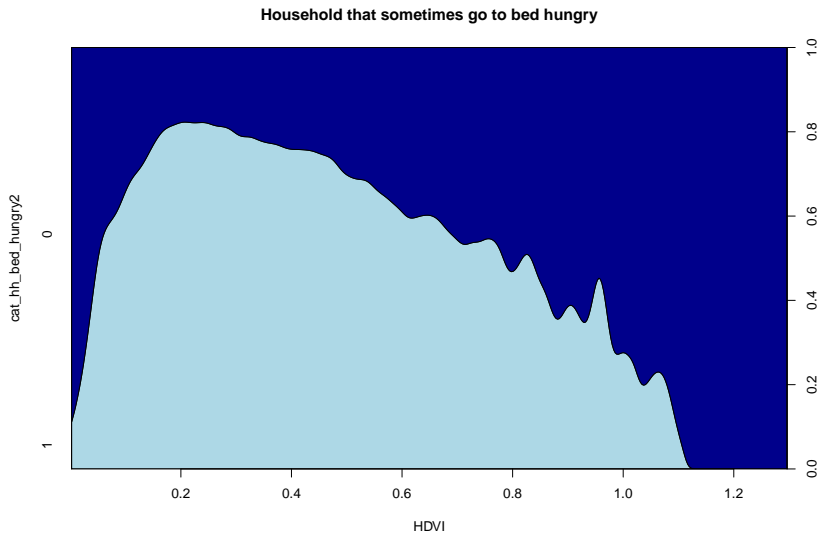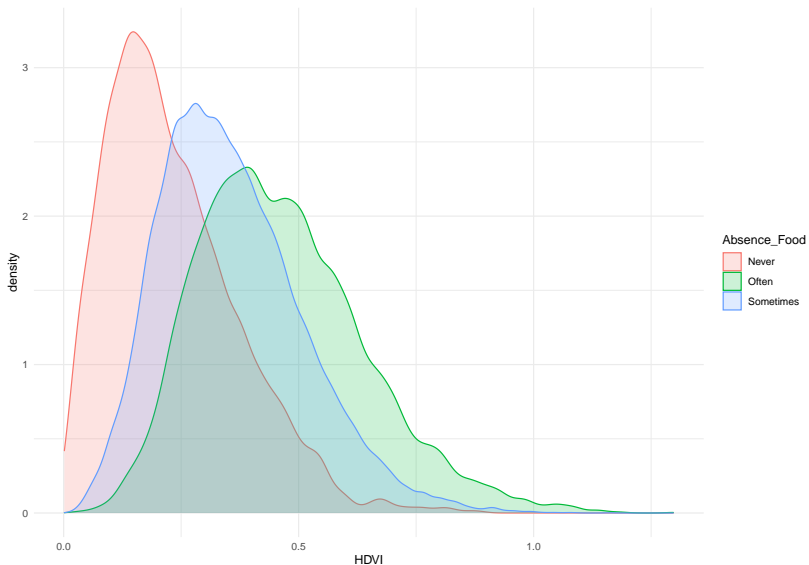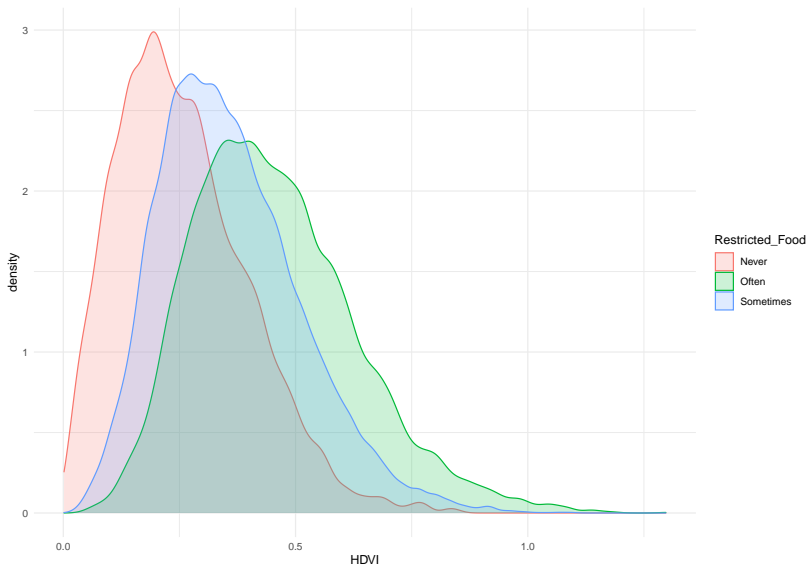
Population distribution - Gone to bed hungry
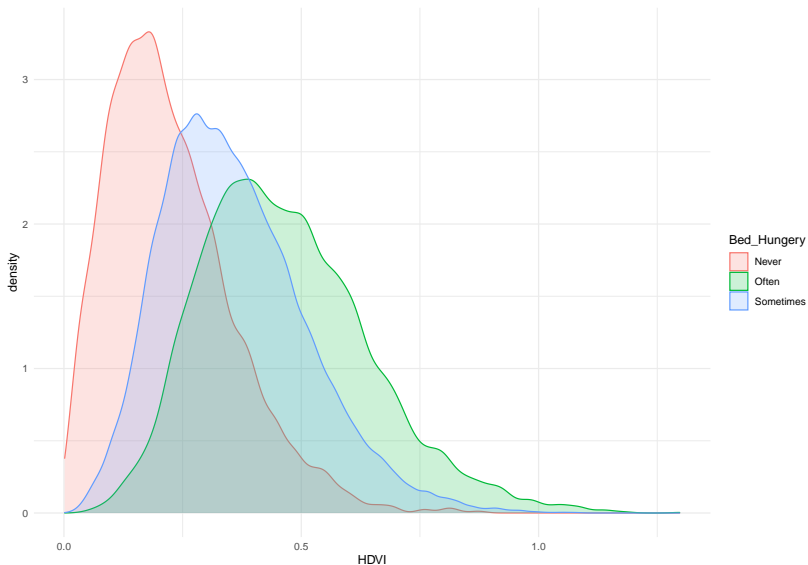
Population distribution - Absence of Food

# Population distribution - Restricted Consumption

Population distribution - Restricted Consumption

```
##
## Attaching package: 'gridExtra'

## The following object is masked from 'package:dplyr':
##
##     combine
```

Inclusion error & exclusion error, measured against absence of food

* vulnerable households defined as those who often experience absence of food
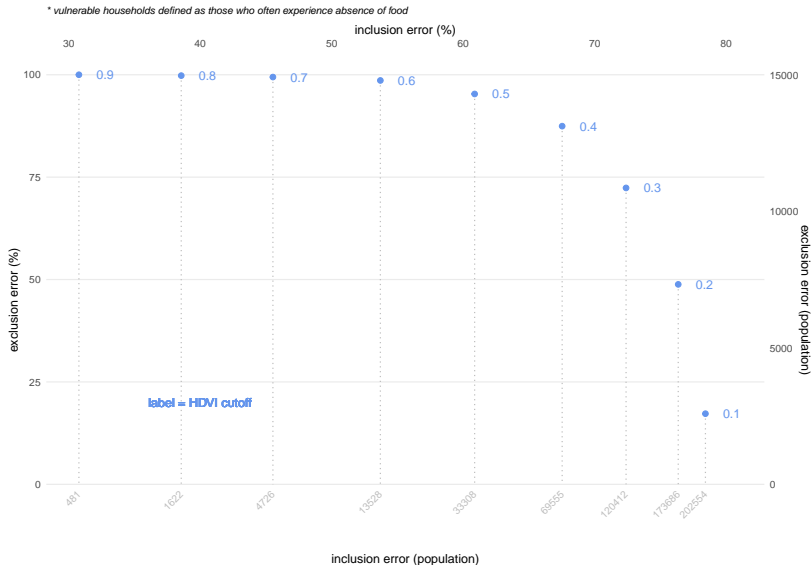
Inclusion error & exclusion error, measured against restricted food consumption

* vulnerable households defined as those who often experience restricted food consumption
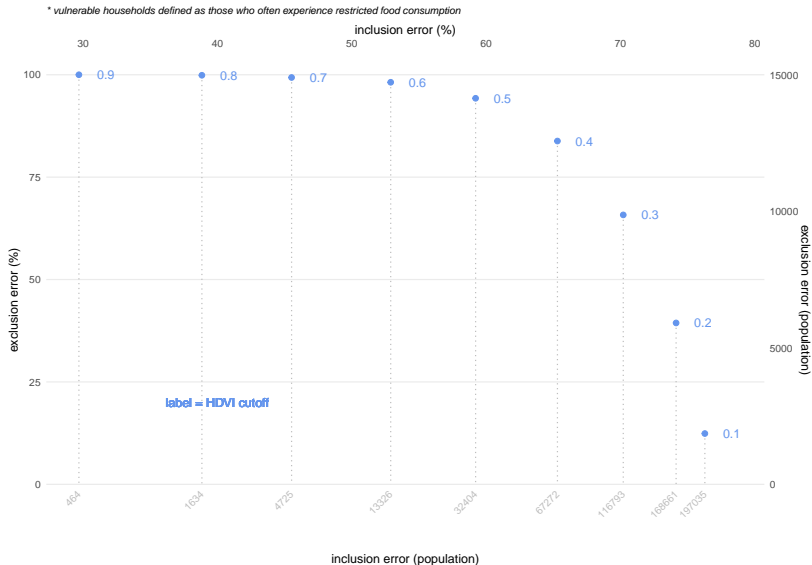
Inclusion error & exclusion error, measured against going to bed hungry