

# Statistiques\_descriptives

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```
library("haven")
```

```
## Warning: le package 'haven' a été compilé avec la version R 4.1.3
```

```
library("dplyr")
```

```
## Warning: le package 'dplyr' a été compilé avec la version R 4.1.3
```

```
library("gtsummary")
```

```
library("labelled")
```

```
base_men <- haven::read_dta("../données/ehcvm_menage_mli2021.dta", encoding = "latin1")
```

```
library(haven)
```

```
base_men %>% colnames()
```

```
## [1] "country"      "hhid"         "year"         "grappe"       "menage"
## [6] "vague"        "PanelHH"      "logem"        "mur"          "toit"
## [11] "sol"          "eauboi_ss"    "eauboi_sp"    "elec_ac"      "elec_ur"
## [16] "elec_ua"      "ordure"       "toilet"       "eva_toi"      "eva_eau"
## [21] "s11q33"       "s11q37"       "tv"           "fer"          "frigo"
## [26] "cuisin"       "ordin"        "decod"        "car"          "superf"
## [31] "grosrum"      "petitrum"     "porc"         "lapin"        "volail"
## [36] "sh_id_demo"   "sh_co_natu"   "sh_co_eco"    "sh_id_eco"    "sh_co_vio"
## [41] "sh_co_oth"
```

```
base_men %>% select("logem", "toit", "sol") %>% tbl_summary()
```

```
## i Column(s) logem, toit, and sol are class "haven_labelled". This is an intermediate datastructure n
```

```
## * https://haven.tidyverse.org/articles/semantics.html
```

```
## * https://larmarange.github.io/labelled/articles/intro\_labelled.html#unlabelled
```

```
## Table printed with `knitr::kable()`, not {gt}. Learn why at
```

```
## https://www.danieldsjoberg.com/gtsummary/articles/rmarkdown.html
```

```
## To suppress this message, include `message = FALSE` in code chunk header.
```

Characteristic	N = 6,143
Occupation logement	
1	2,027 (33%)
2	2,883 (47%)
3	754 (12%)
4	479 (7.8%)
toit en matériaux définitifs	
0	2,700 (44%)
1	3,443 (56%)

Characteristic	N = 6,143
Sol en materiaux definitifs	
0	3,274 (53%)
1	2,869 (47%)

```
# Prendre en compte les babels
```

```
base_men %>% labelled::to_factor() %>% select("logem","toit","sol") %>% tbl_summary()
```

```
## Table printed with `knitr::kable()`, not {gt}. Learn why at
```

```
## https://www.danielsjoberg.com/gtsummary/articles/rmarkdown.html
```

```
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```

Characteristic	N = 6,143
Occupation logement	
Proprietaire titre	2,027 (33%)
Proprietaire sans titre	2,883 (47%)
Locataire	754 (12%)
Autre	479 (7.8%)
toit en materiaux definitifs	
Non	2,700 (44%)
Oui	3,443 (56%)
Sol en materiaux definitifs	
Non	3,274 (53%)
Oui	2,869 (47%)

```
# Labeliser les variables
```

```
base_men %>% labelled::to_factor() %>% select("logem","toit","sol") %>% tbl_summary(label= list(logem ~
```

```
## Table printed with `knitr::kable()`, not {gt}. Learn why at
```

```
## https://www.danielsjoberg.com/gtsummary/articles/rmarkdown.html
```

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```

Characteristic	N = 6,143
Occupation logement	
Proprietaire titre	2,027 (33%)
Proprietaire sans titre	2,883 (47%)
Locataire	754 (12%)
Autre	479 (7.8%)
Type de toit	
Non	2,700 (44%)
Oui	3,443 (56%)
Type de sol	
Non	3,274 (53%)
Oui	2,869 (47%)

```
# Changer l'en tête characteristic
```

```
base_men %>% labelled::to_factor() %>% select("logem","toit","sol") %>% tbl_summary(label= list(logem ~
```

```
## Table printed with `knitr::kable()`, not {gt}. Learn why at
```

```
## https://www.danielsjoberg.com/gtsummary/articles/rmarkdown.html
```

```
## To suppress this message, include `message = FALSE` in code chunk header.
```

Caractéristiques du logement	N = 6,143
Occupation logement	
Propriétaire titre	2,027 (33%)
Propriétaire sans titre	2,883 (47%)
Locataire	754 (12%)
Autre	479 (7.8%)
Type de toit	
Non	2,700 (44%)
Oui	3,443 (56%)
Type de sol	
Non	3,274 (53%)
Oui	2,869 (47%)

```
base_men %>% labelled::to_factor() %>% select("logem","toit","sol","superf","grosum","petitrum") %>% t
  grosum ~ "{mean} ({sd})",
  petitrum ~ "{mean} ({sd})") %>% modify_header(label="Caractéristiques du logement")
```

## Table printed with `knitr::kable()`, not {gt}. Learn why at  
 ## <https://www.danielsjoberg.com/gtsummary/articles/rmarkdown.html>  
 ## To suppress this message, include `message = FALSE` in code chunk header.

Caractéristiques du logement	N	N = 6,143
Occupation logement	6,143	
Propriétaire titre		2,027 (33%)
Propriétaire sans titre		2,883 (47%)
Locataire		754 (12%)
Autre		479 (7.8%)
Type de toit	6,143	
Non		2,700 (44%)
Oui		3,443 (56%)
Type de sol	6,143	
Non		3,274 (53%)
Oui		2,869 (47%)
Superficie agricole (en ha)	2,857	4.6 (5.0)
Unknown		3,286
Nbr gros ruminants	3,467	8 (17)
Unknown		2,676
Nbr petits ruminants	3,467	13 (23)
Unknown		2,676

```
base_men %>% labelled::to_factor() %>% select("logem","toit","sol","superf","grosum","petitrum") %>% t
  grosum ~ "{mean} ({sd})",
  petitrum ~ "{mean} ({sd})",missing = "always",
  missing_text = "manquant") %>% modify_header(label="Caractéristiques du logement")
```

## Table printed with `knitr::kable()`, not {gt}. Learn why at  
 ## <https://www.danielsjoberg.com/gtsummary/articles/rmarkdown.html>  
 ## To suppress this message, include `message = FALSE` in code chunk header.

Caractéristiques du logement	N	N = 6,143
Occupation logement	6,143	
Propriétaire titre		2,027 (33%)
Propriétaire sans titre		2,883 (47%)
Locataire		754 (12%)
Autre		479 (7.8%)
manquant		0
Type de toit	6,143	
Non		2,700 (44%)
Oui		3,443 (56%)
manquant		0
Type de sol	6,143	
Non		3,274 (53%)
Oui		2,869 (47%)
manquant		0
Superficie agricole (en ha)	2,857	4.6 (5.0)
manquant		3,286
Nbr gros ruminants	3,467	8 (17)
manquant		2,676
Nbr petits ruminants	3,467	13 (23)
manquant		2,676

```
base_men %>% labelled::to_factor() %>% select("logem", "toit", "sol", "superf", "grosrum", "petitrum") %>% tbl_summary(
  grosrum ~ "{mean} ({sd})",
  petitrum ~ "{mean} ({sd})",
  missing = "always",
  missing_text = "manquant") %>% modify_header(label="Caractéristiques du logement")
```

```
## Table printed with `knitr::kable()`, not {gt}. Learn why at
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```

Caractéristiques du logement	N	N = 6,143
Occupation logement	6,143	
Propriétaire titre		2,027 (33%)
Propriétaire sans titre		2,883 (47%)
Locataire		754 (12%)
Autre		479 (7.8%)
manquant		0
Type de toit	6,143	
Non		2,700 (44%)
Oui		3,443 (56%)
manquant		0
Type de sol	6,143	
Non		3,274 (53%)
Oui		2,869 (47%)
manquant		0
Superficie agricole (en ha)	2,857	4.6 (5.0)
manquant		3,286
Nbr gros ruminants	3,467	8 (17)
manquant		2,676
Nbr petits ruminants	3,467	13 (23)

Caractéristiques du logement	N	N = 6,143
manquant		2,676

```
base_welfare <- haven::read_dta("../données/ehcvm_welfare_mli2021.dta")
base_men %>% colnames()
```

```
## [1] "country"      "hhid"         "year"         "grappe"       "menage"
## [6] "vague"        "PanelHH"      "logem"        "mur"          "toit"
## [11] "sol"          "eauboi_ss"    "eauboi_sp"    "elec_ac"      "elec_ur"
## [16] "elec_ua"      "ordure"       "toilet"       "eva_toi"      "eva_eau"
## [21] "s11q33"       "s11q37"       "tv"           "fer"          "frigo"
## [26] "cuisin"       "ordin"        "decod"        "car"          "superf"
## [31] "grosrum"      "petitrum"     "porc"         "lapin"        "volail"
## [36] "sh_id_demo"   "sh_co_natu"   "sh_co_eco"    "sh_id_eco"    "sh_co_vio"
## [41] "sh_co_oth"
```

```
base_welfare %>% labelled::to_factor() %>% select("hgender", "hage", "hmstat", "heduc", "hdiploma") %>% tbl_
  missing = "always",
  missing_text = "manquant") %>% modify_header(label="Caractéristiques du CM") %>% ad
```

```
## Table printed with `knitr::kable()`, not {gt}. Learn why at
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## To suppress this message, include `message = FALSE` in code chunk header.
```

Caractéristiques du CM	N	N = 6,143
Sexe du CM	6,143	
Masculin		5,438 (89%)
Féminin		705 (11%)
manquant		0
Age du CM	6,143	50 (14)
manquant		0
Situation matrimoniale	6,143	
Célibataire		85 (1.4%)
Marié(e) monogame		4,149 (68%)
Marié(e) polygame		1,292 (21%)
Union libre		0 (0%)
Veuf(ve)		535 (8.7%)
Divorcé(e)		49 (0.8%)
séparé(e)		33 (0.5%)
manquant		0
Niveau d'éducation	6,143	
Aucun		4,249 (69%)
Maternelle		4 (<0.1%)
Fondamental 1		697 (11%)
Fondamental 2		412 (6.7%)
Secondaire General		192 (3.1%)
Secondaire Technique et Professionnel		242 (3.9%)
Superieur		347 (5.6%)
manquant		0
diplome le plus élevé	6,143	
Aucun		5,009 (82%)
Certificat d'Etudes Primaires (CEP)		278 (4.5%)
Diplôme d'Etudes Fondamentales (DEF/BEPC)		218 (3.5%)

Caractéristiques du CM	N	N = 6,143
Certificat d'Aptitude Professionnelle (CAP)	85	(1.4%)
Brevet de Technicien (BT)	166	(2.7%)
Baccalauréat (BAC)	52	(0.8%)
DEUG, DUT, BTS,IFM	67	(1.1%)
Licence	49	(0.8%)
Maitrise	139	(2.3%)
Master/DEA/DESS	59	(1.0%)
Doctorat/Phd	21	(0.3%)
manquant	0	