Consumptionplots

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```r
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```r
library(ggplot2)
library(tidyverse)
```

```
## -- Attaching packages ------------------------------------- tidyverse 1.3.1 --

## v tibble  3.1.7      v purrr   0.3.4
## v tidyr   1.2.0      v stringr 1.4.0
## v readr   2.1.2      v forcats 0.5.1

## -- Conflicts ---------------------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```r
library(viridis)
```

```
## Loading required package: viridisLite
```

```r
library(plotly)
```

```
##
## Attaching package: 'plotly'

## The following object is masked from 'package:ggplot2':
##
##     last_plot
```

```
## The following object is masked from 'package:stats':
##
##     filter


## The following object is masked from 'package:graphics':
##
##     layout
```

```r
load("~/Documents/2022-DSPG-LivDiv-/data/livdivdata.RData")
fin_diary <- livdiv
```

```r
#Weekly expenditure on clothes
```
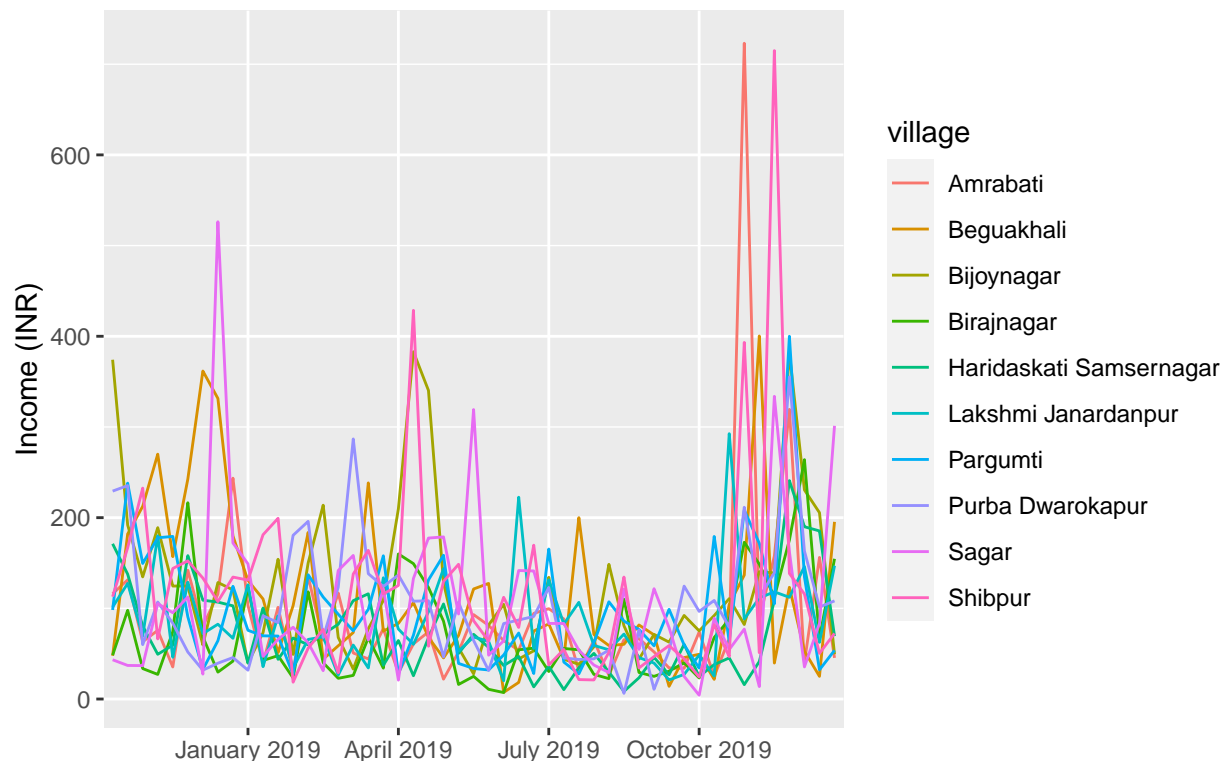
```r
clothes_week <- fin_diary %>% select(village, week, aggregated_exp_clothes) %>% group_by(week, village)
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```r
ggplot(clothes_week, aes(week, avg_inc_clothes, color = village)) + geom_line() + labs(x = "", y = "Inc
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```
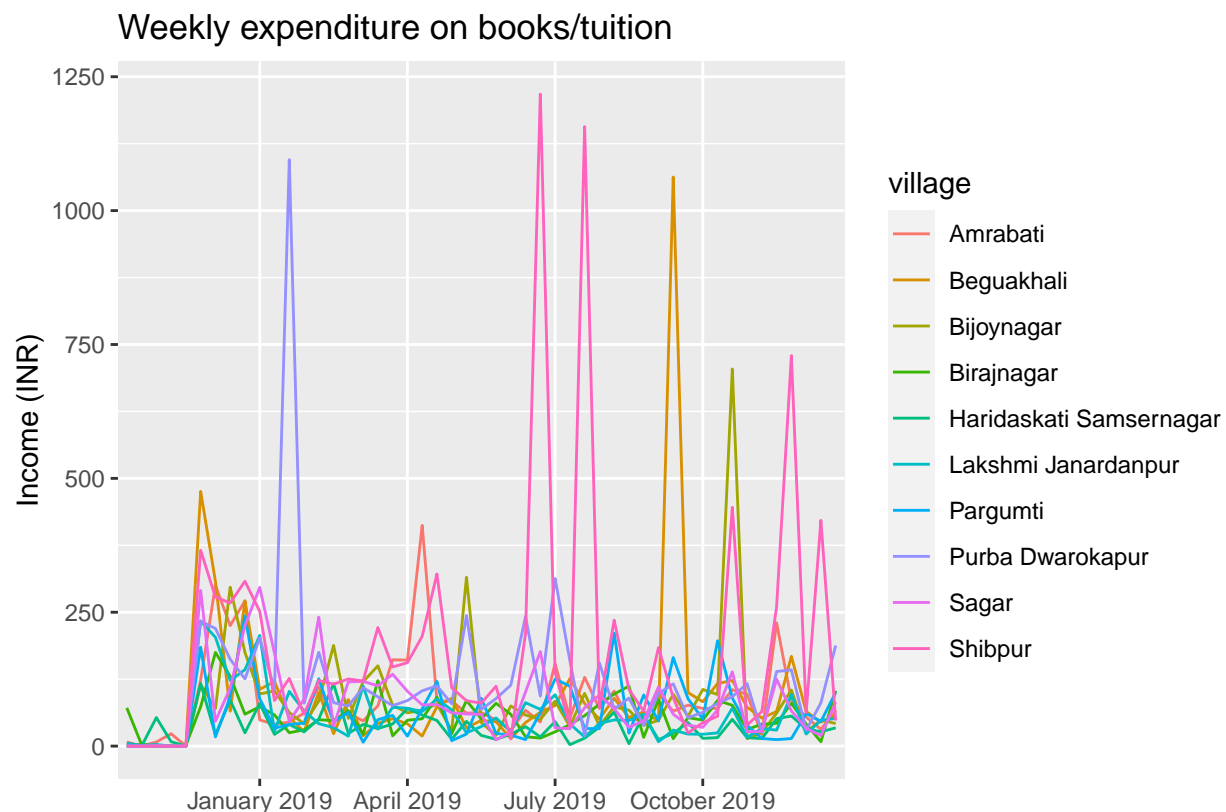
```
#Weekly expenditure on books/tuition
```

```
books_week <- fin_diary %>% select(village, week, exp_bookstuition) %>% group_by(week, village) %>% sum
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```
ggplot(books_week, aes(week, avg_bookstuition, color = village)) + geom_line() + labs(x = "", y = "Incon
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```

Weekly expenditure on books/tuition


```
#Weekly expenditure on Utility
```
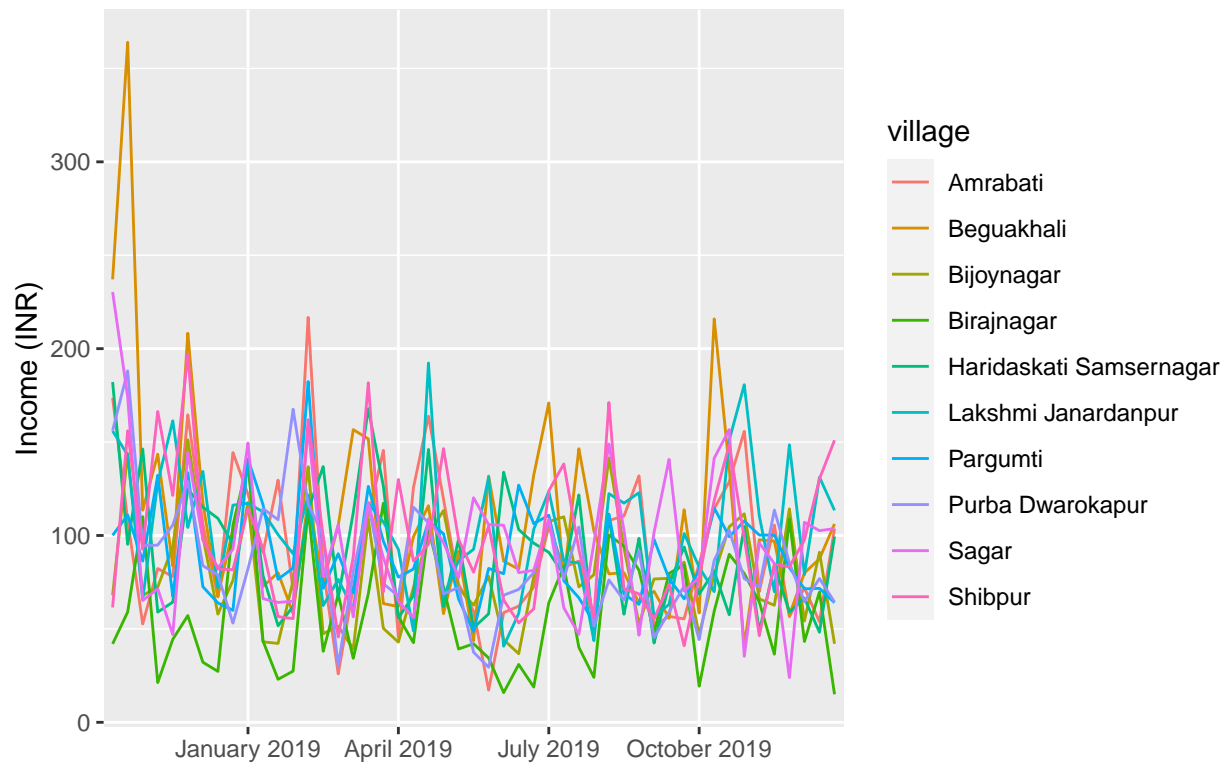
```
utility_week <- fin_diary %>% select(village, week, exp_utility) %>% group_by(week, village) %>% summari
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```
ggplot(utility_week, aes(week, avg_utility, color = village)) + geom_line() + labs(x = "", y = "Income
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```

Weekly Utilities
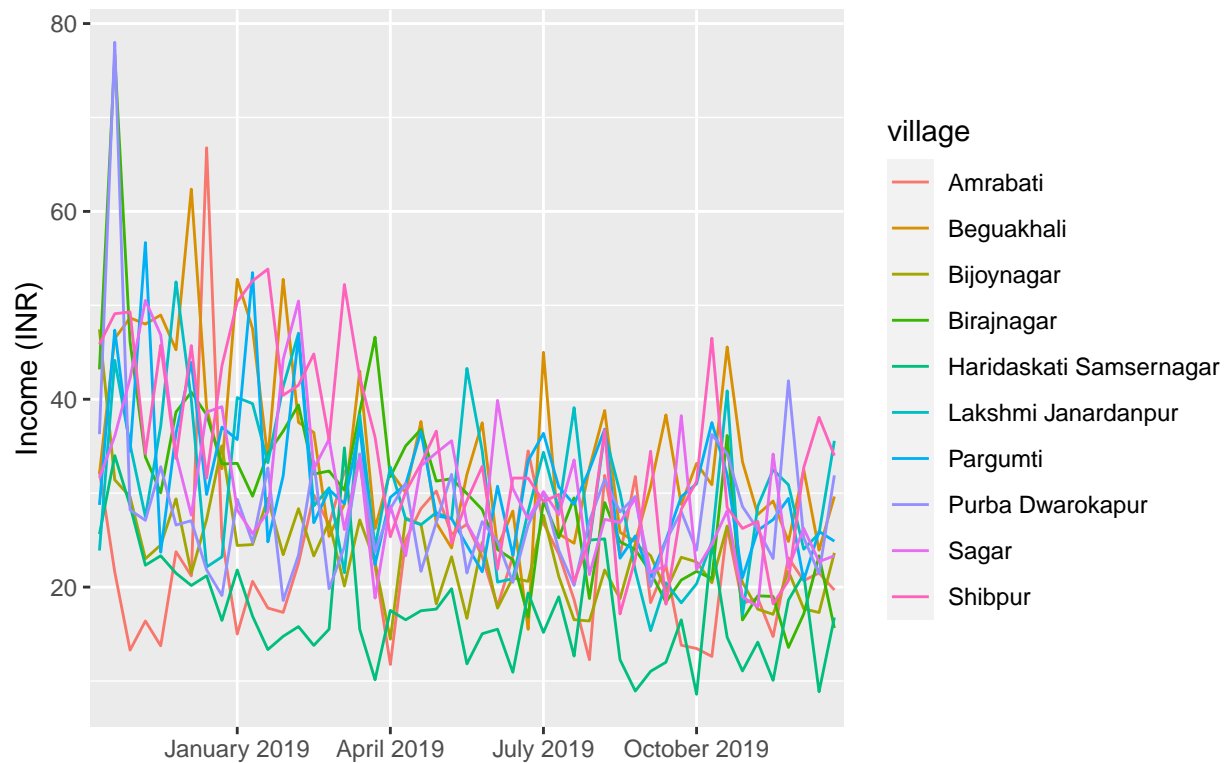


```r
#Weekly expenditure on toiletries

toilet_week <- fin_diary %>% select(village, week, exp_toiletries) %>% group_by(week, village) %>% summa
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```r
ggplot(toilet_week, aes(week, avg_toilet, color = village)) + geom_line() + labs(x = "", y = "Income (IN
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```

Weekly expenditure on toiletries


```r
#Weekly expenditure on durables
```
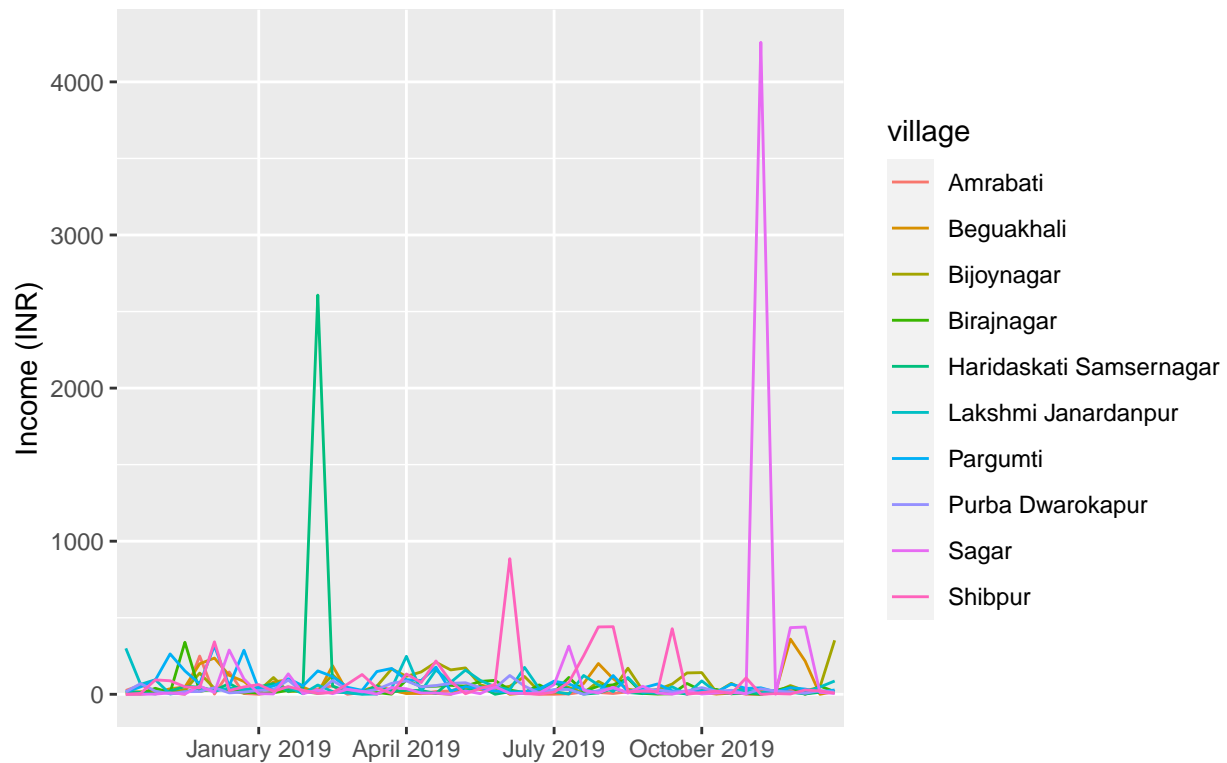
```r
durab_week <- fin_diary %>% select(village, week, exp_durables) %>% group_by(week, village) %>% summari:
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```r
ggplot(durab_week, aes(week, avg_durables, color = village)) + geom_line() + labs(x = "", y = "Income (
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```

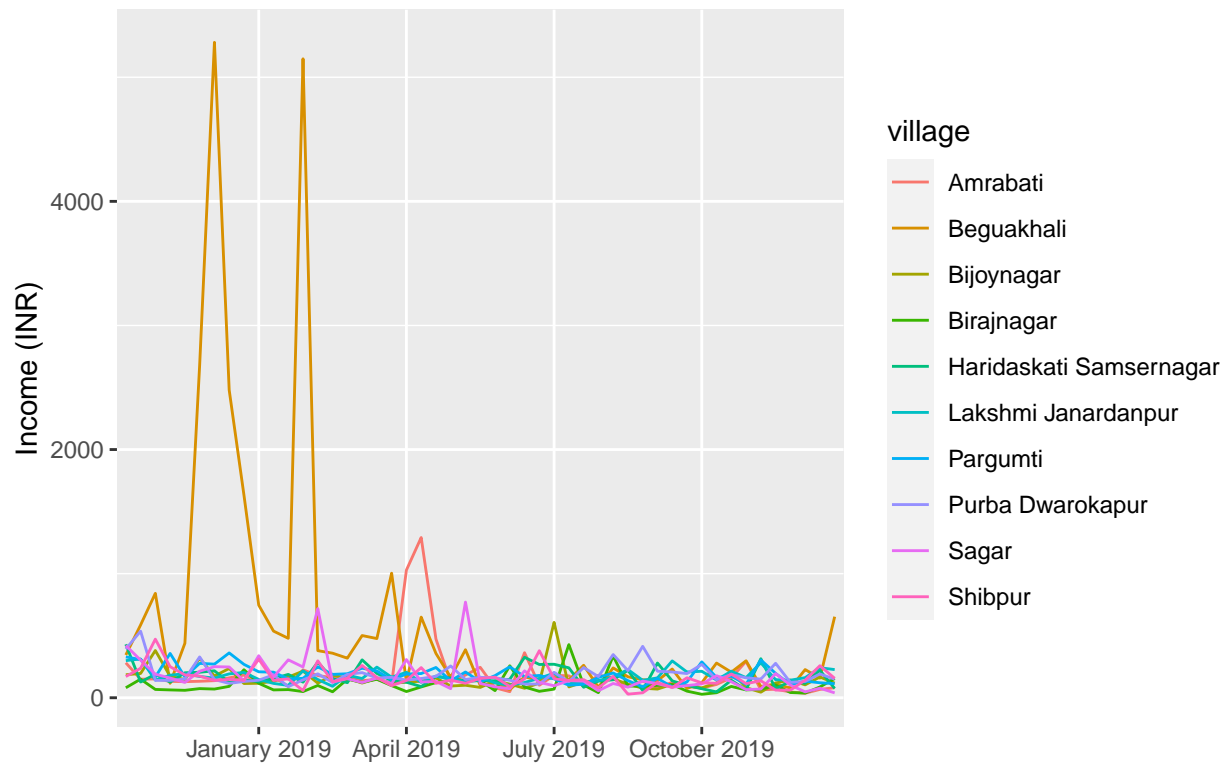## Weekly Durable expenditure

#Weekly expenditure on health

health_week <- fin_diary %>% select(village, week, exp_health) %>% group_by(week, village) %>% summarize

`summarise()` has grouped output by 'week'. You can override using the
`.groups` argument.

ggplot(health_week, aes(week, avg_health, color = village)) + geom_line() + labs(x = "", y = "Income (IN

Warning: Continuous limits supplied to discrete scale.
Did you mean `limits = factor(...)` or `scale_*_continuous()`?

Weekly health expenditure


```
#Weekly expenditure on home repairs
```
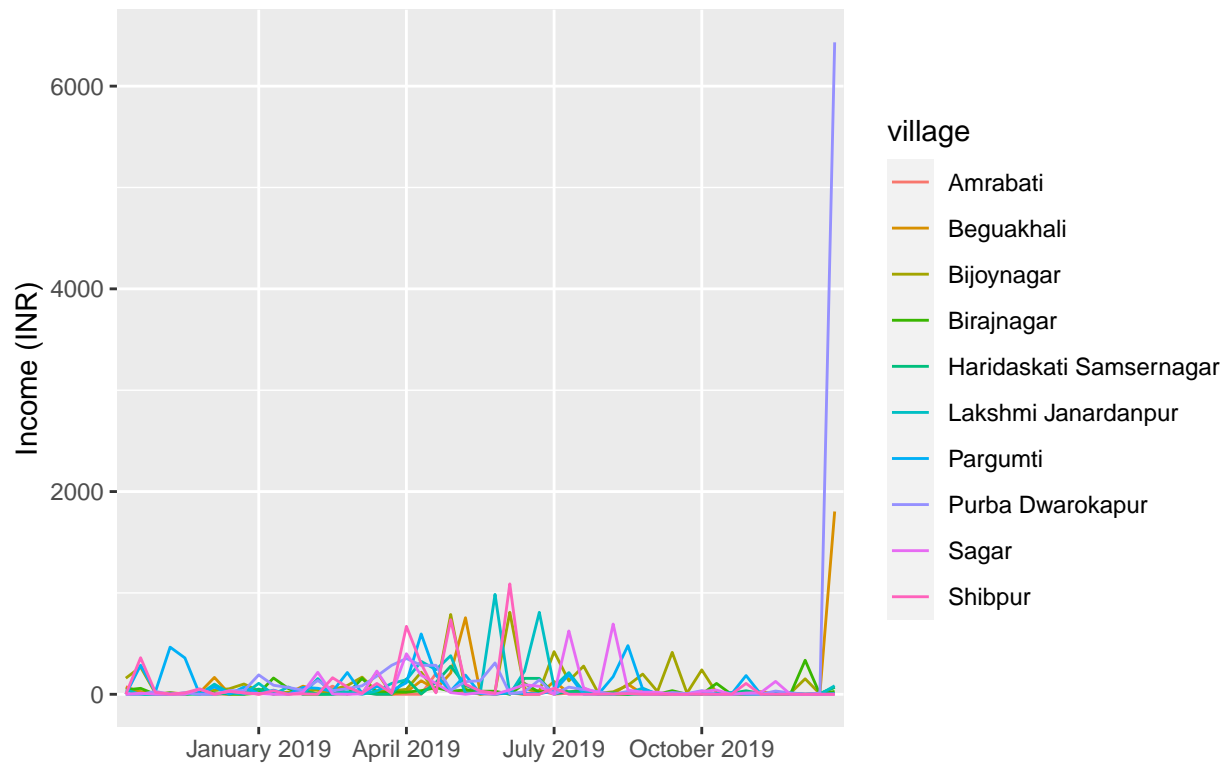
```
homerepairs_week <- fin_diary %>% select(village, week, exp_homerepairs) %>% group_by(week, village) %>%
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```
ggplot(homerepairs_week, aes(week, avg_homerepairs, color = village)) + geom_line() + labs(x = "", y = "
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```

Weekly Homerepair Expenditure


```
#Weekly expenditure on transportation

transport_week <- fin_diary %>% select(village, week, exp_transport) %>% group_by(week, village) %>% sum
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```
ggplot(transport_week, aes(week, avg_transport, color = village)) + geom_line() + labs(x = "", y = "Inc
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```

Weekly Transportation Expenditure
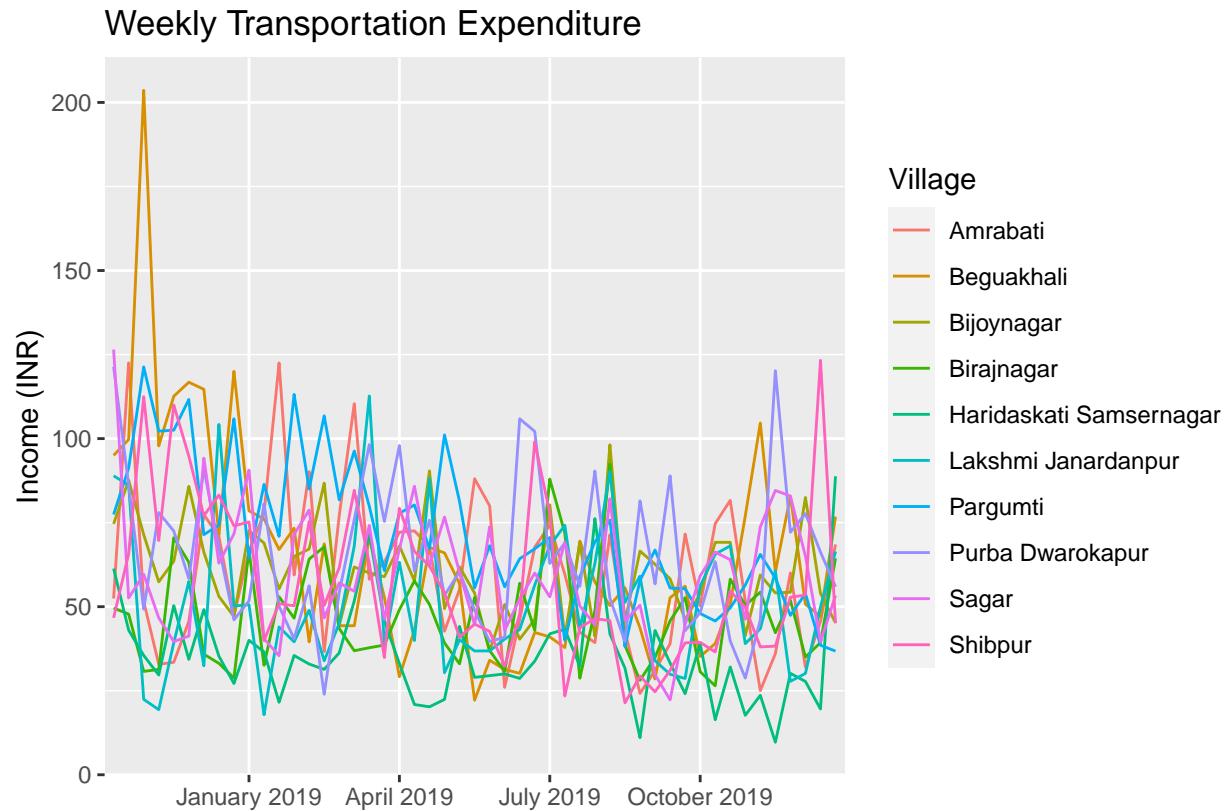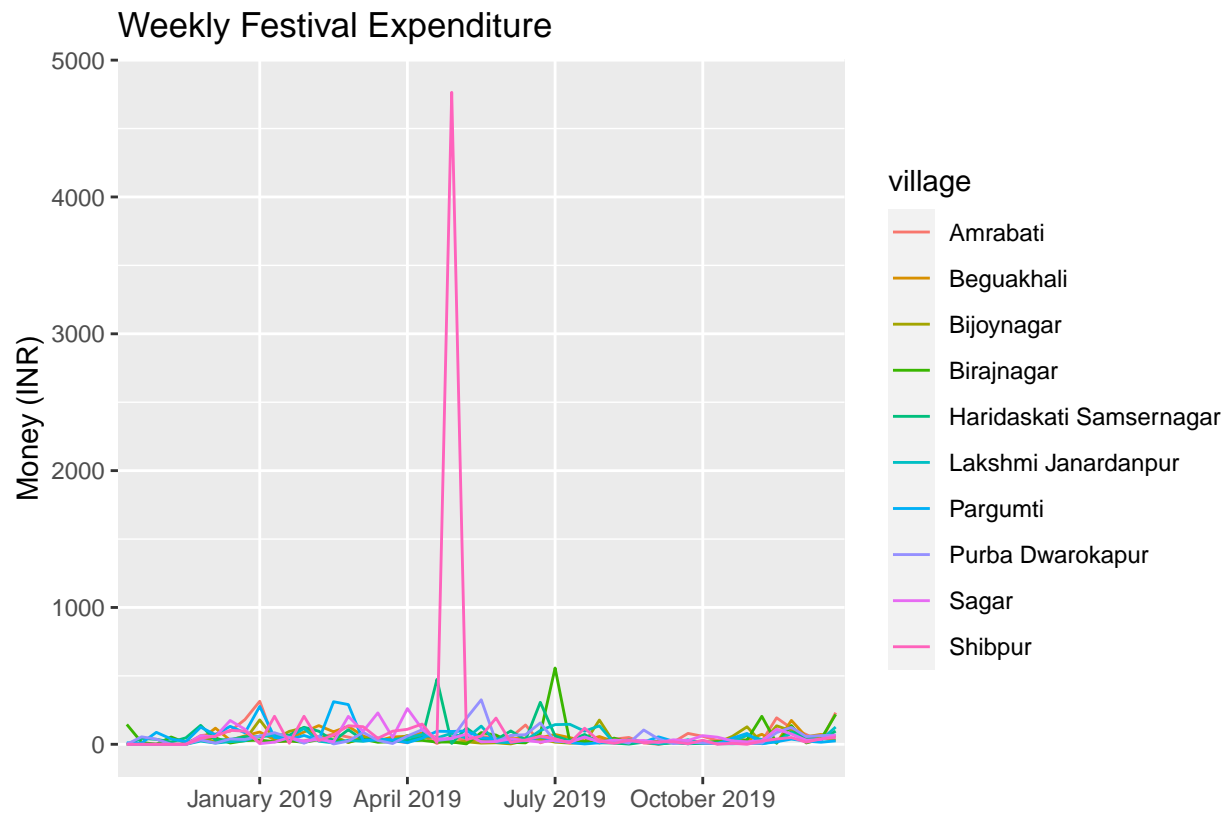


```
festivals_week <- fin_diary %>% select(village, week, exp_festivals) %>% group_by(week, village) %>% sum
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```
ggplot(festivals_week, aes(week, avg_festivals, color = village)) + geom_line() + labs(x = "", y = "Mone
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```
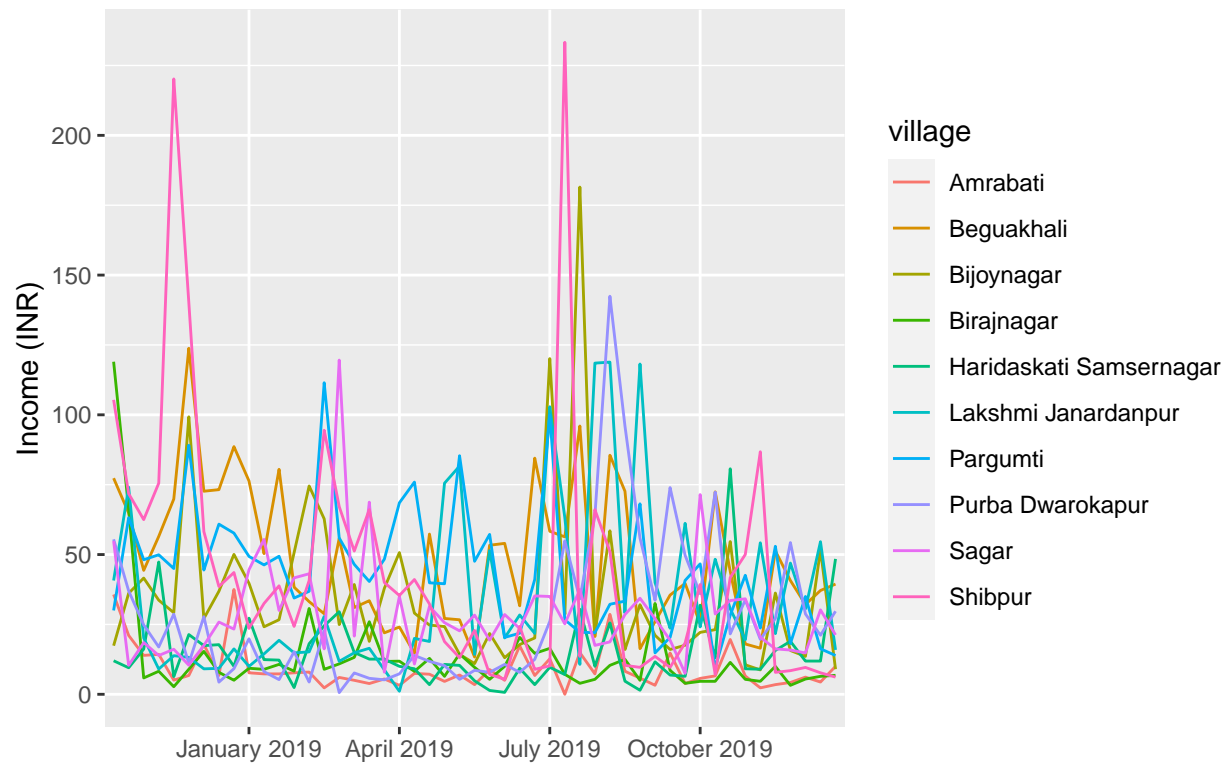
Weekly Festival Expenditure


```
livestock_week <- fin_diary %>% select(village, week, exp_livestock) %>% group_by(week, village) %>% su
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```
ggplot(livestock_week, aes(week, avg_livestock, color = village)) + geom_line() + labs(x = "", y = "Inc
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```
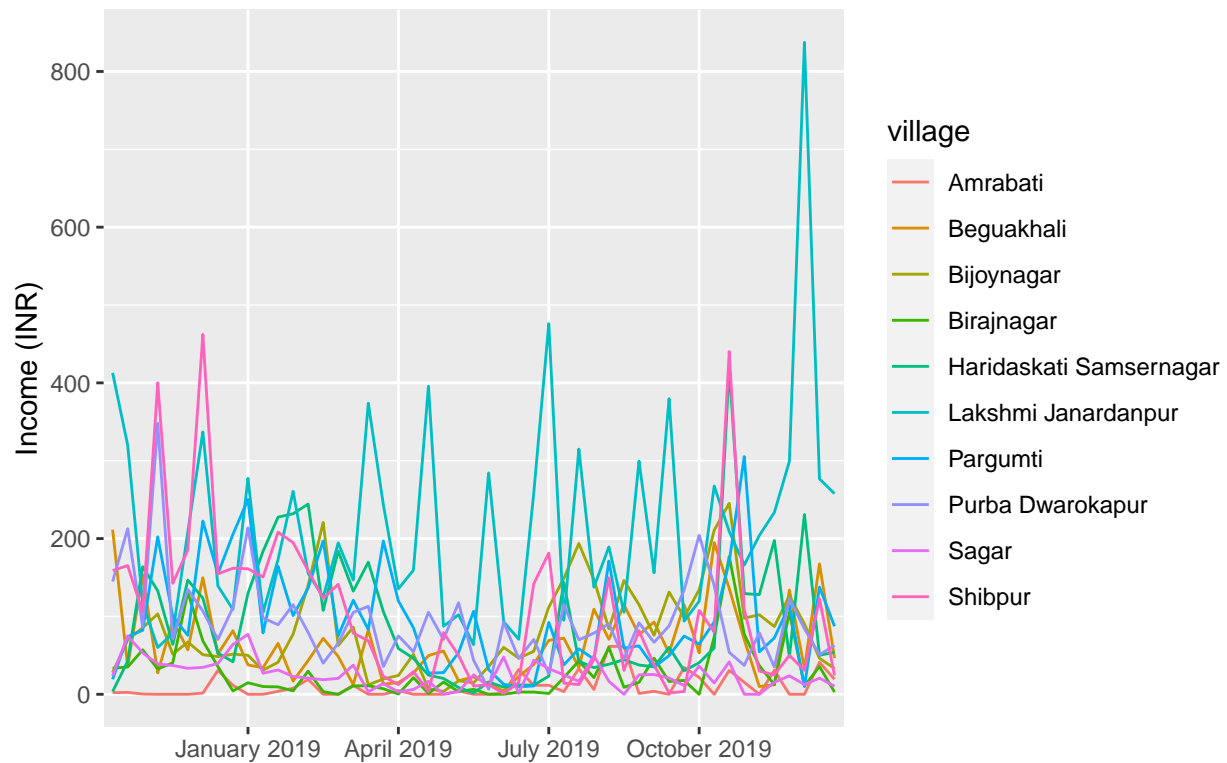
Weekly Livestock Expenditure


```
aginputs_week <- fin_diary %>% select(village, week, exp_aginputs) %>% group_by(week, village) %>% summa
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```
ggplot(aginputs_week, aes(week, avg_aginputs, color = village)) + geom_line() + labs(x = "", y = "Income
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```
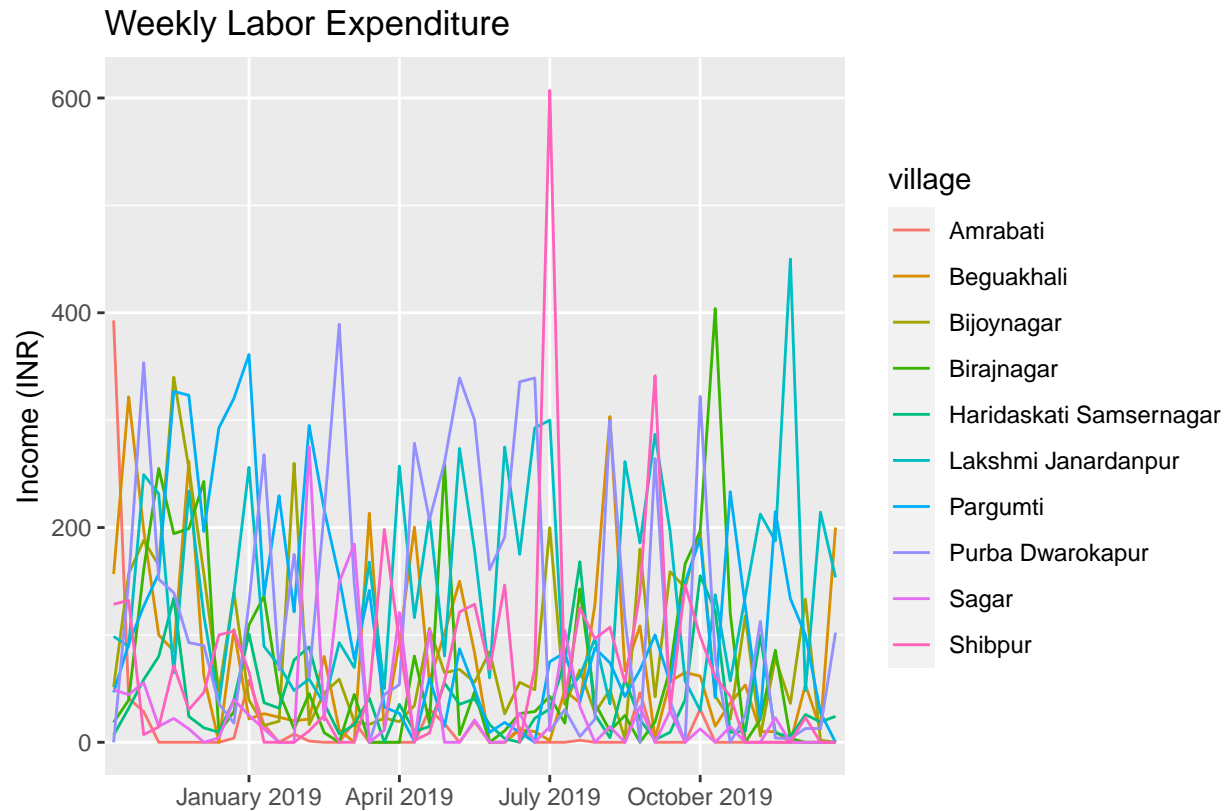
Weekly Agricultural Expenditure


```r
labor_week <- fin_diary %>% select(village, week, exp_labor) %>% group_by(week, village) %>% summarize(a
```

```
## `summarise()` has grouped output by 'week'. You can override using the
## `.groups` argument.
```

```r
ggplot(labor_week, aes(week, avg_labor, color = village)) + geom_line() + labs(x = "", y = "Income (INR
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean `limits = factor(...)` or `scale_*_continuous()`?
```

Weekly Labor Expenditure


```
nonfoodother_week <- fin_diary %>% select(village, week, exp_nonfoodother) %>% group_by(week, village)
```

```
## 'summarise()' has grouped output by 'week'. You can override using the
## '.groups' argument.
```

```
ggplot(nonfoodother_week, aes(week, avg_nonfoodother, color = village)) + geom_line() + labs(x = "", y
```

```
## Warning: Continuous limits supplied to discrete scale.
## Did you mean 'limits = factor(...)' or 'scale_*_continuous()'?
```

Other Weekly Expenditure(non−cosumption)