

# TRAVAIL PRATIQUE

APPRENTISSAGE STATISTIQUE EN ACTUARIAT  
ACT-4114

ÉQUIPE 07

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Premier rapport  
**Analyse exploratoire**

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*Travail présenté à*  
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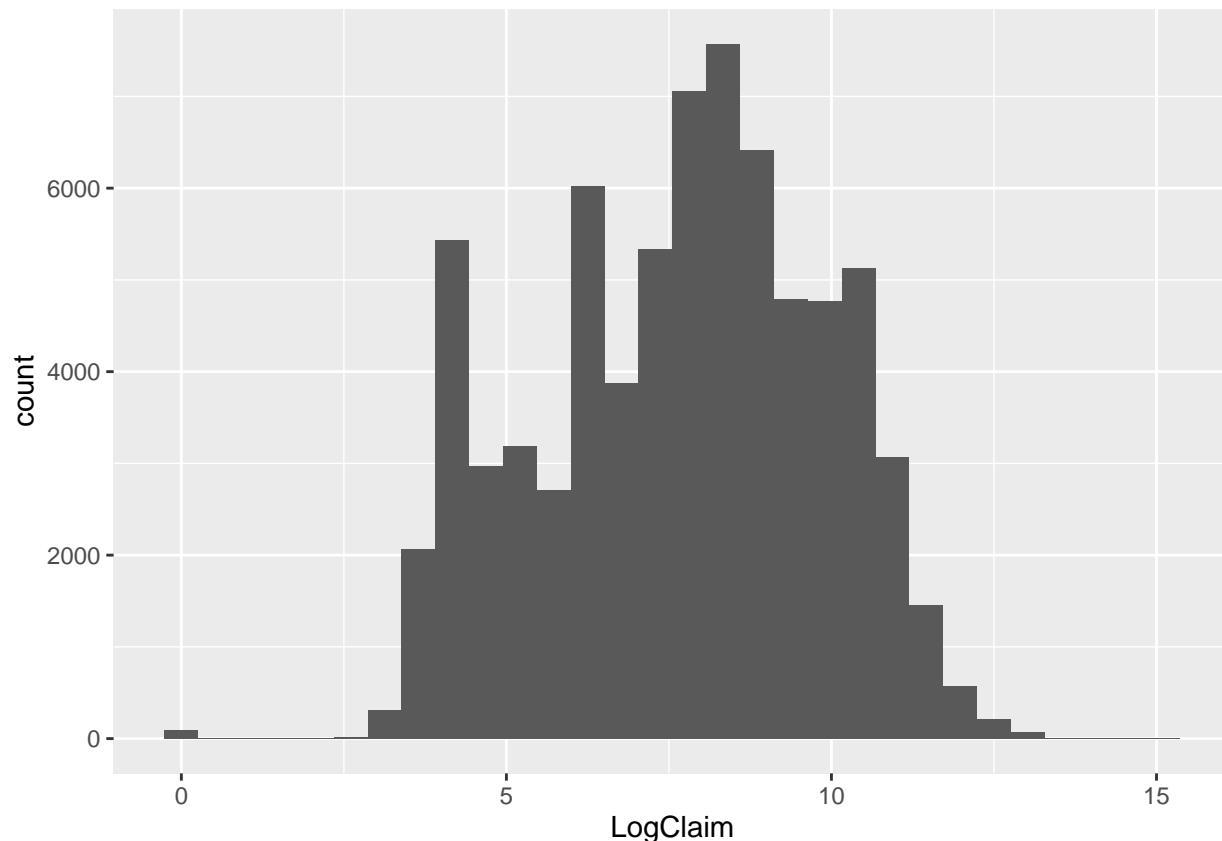
## **Introduction**

Pour ce travail, l'objectif est de construire un modèle de prime pure pour la somme des réclamations (tous types confondus).

## Analyse Exploratoire

### Nettoyage des données

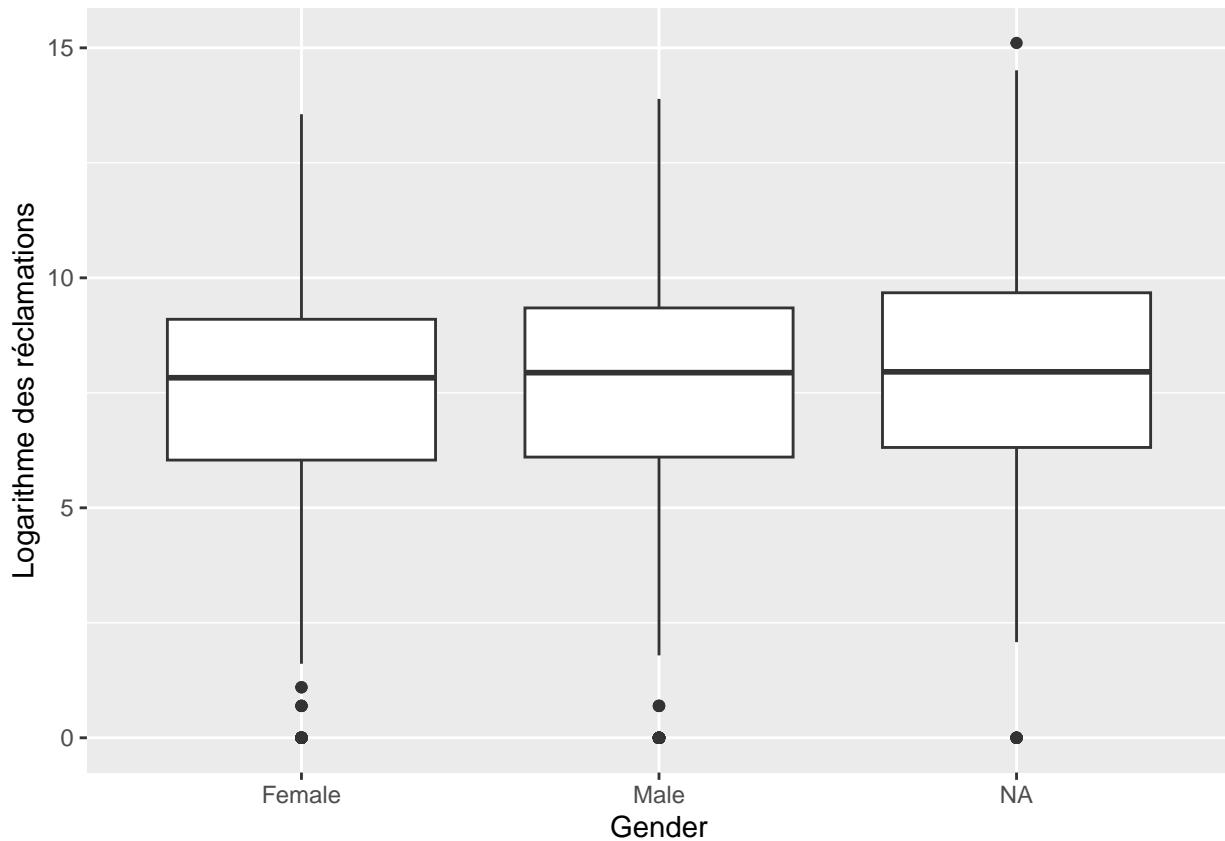
```
## Warning: Removed 1 rows containing non-finite values (`stat_bin()`).
```



## Genre

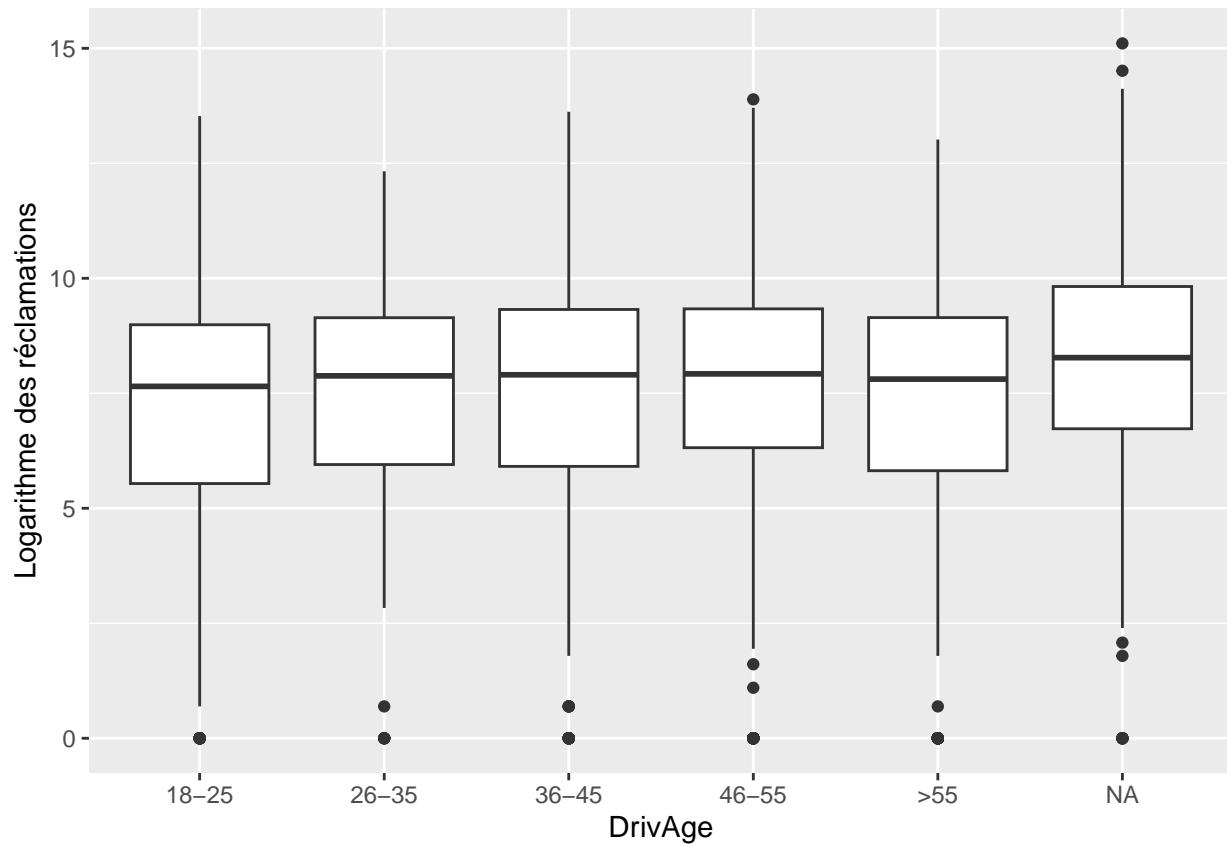
La variable *Gender* a quatre niveaux : “Male”, “Female”, “Corporate” et NA. Il y a 17 749 personnes pour lesquelles le genre est manquant.

```
## Warning: Removed 1 rows containing non-finite values (`stat_boxplot()`).
```



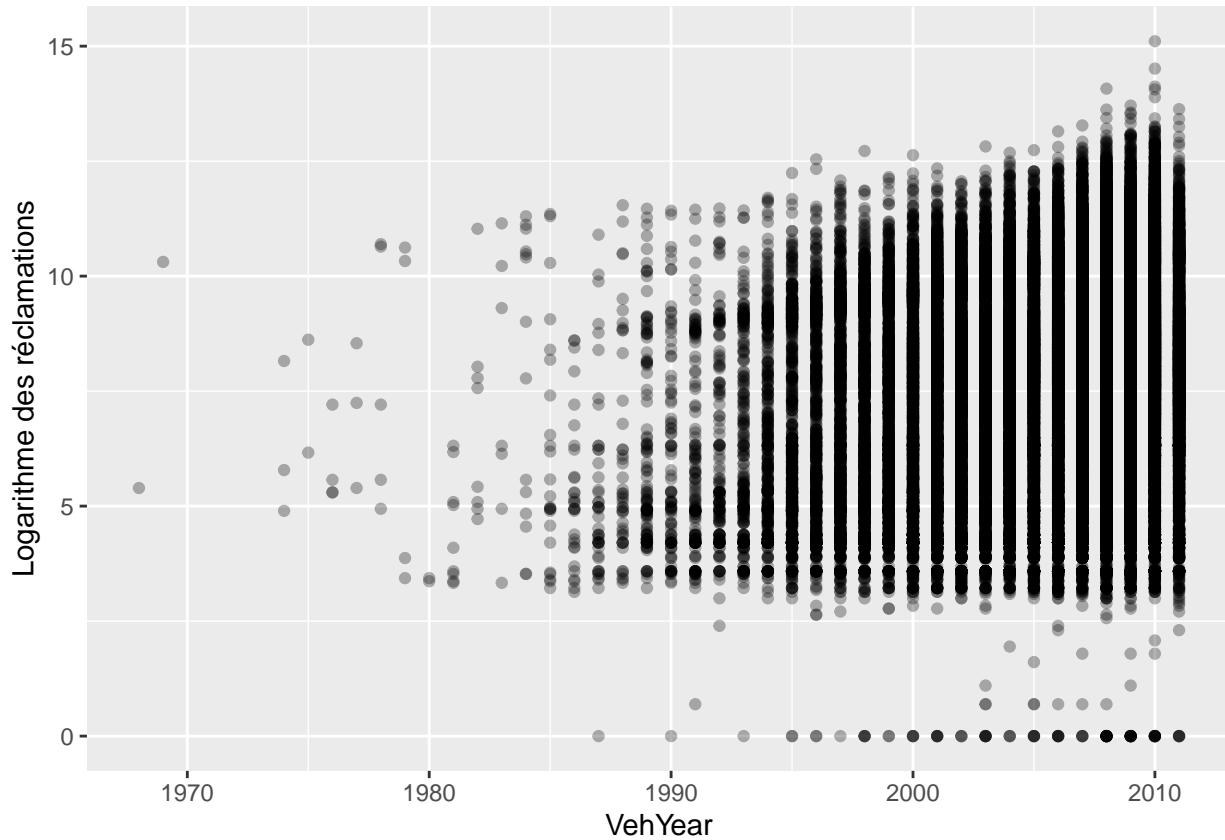
## **Âge du conducteur**

## Warning: Removed 1 rows containing non-finite values (`stat\_boxplot()`).



## Année du véhicule

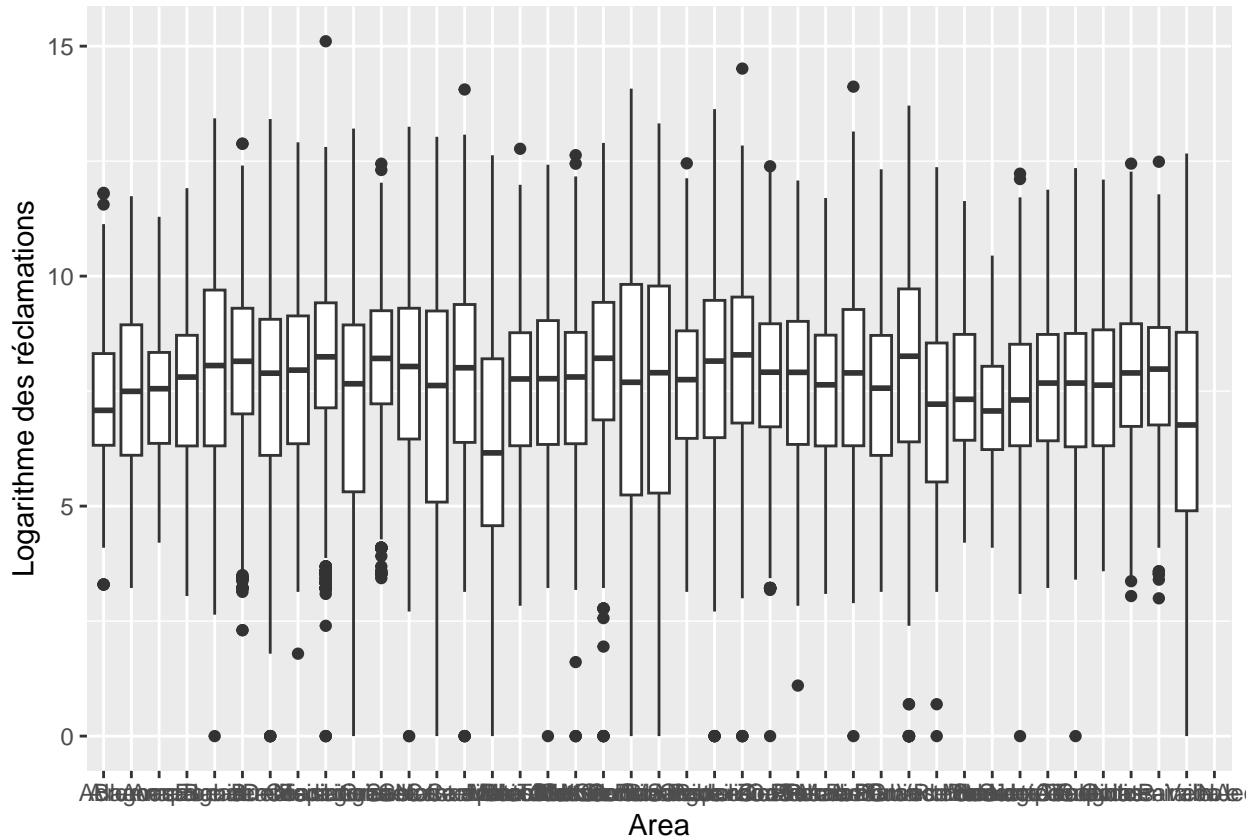
## Warning: Removed 1 rows containing missing values (`geom\_point()`).



## **Modèle du véhicule**

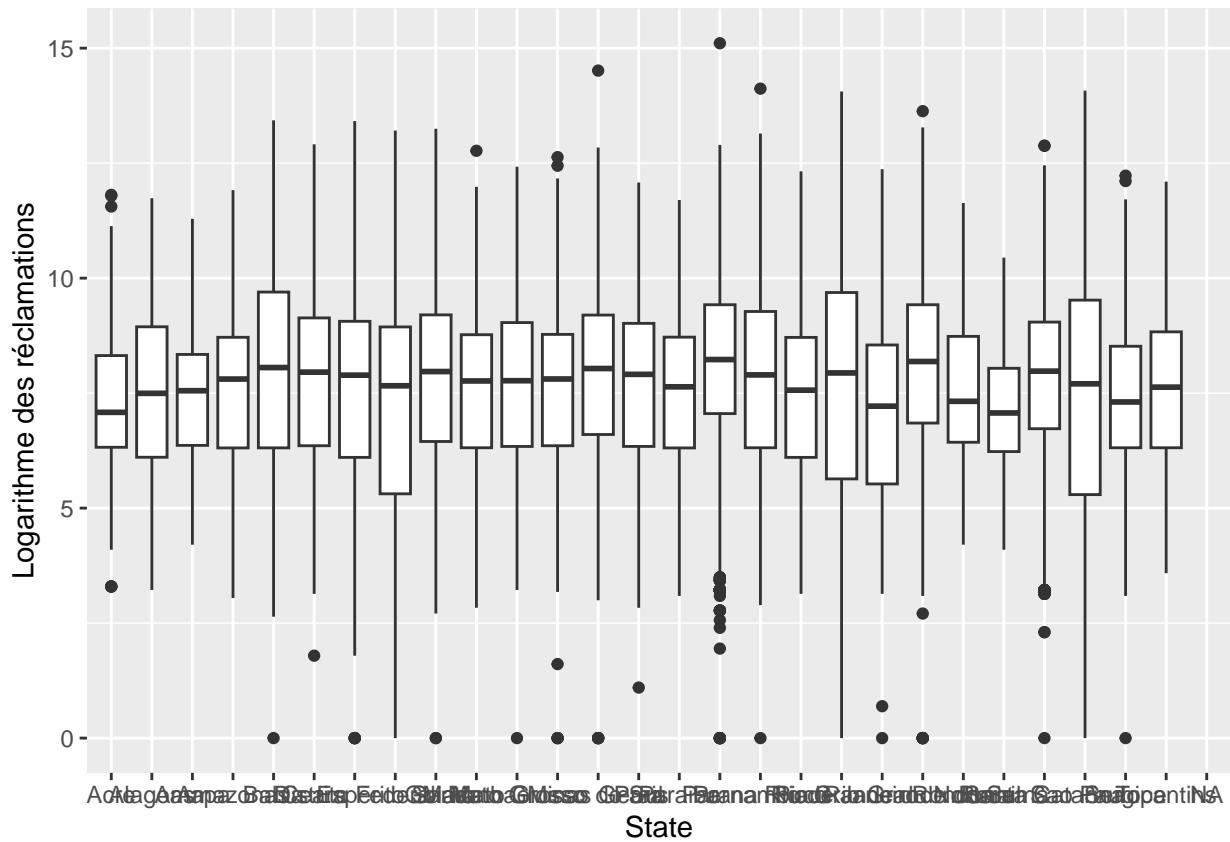
## Area

## Warning: Removed 1 rows containing non-finite values (`stat\_boxplot()`).



**State**

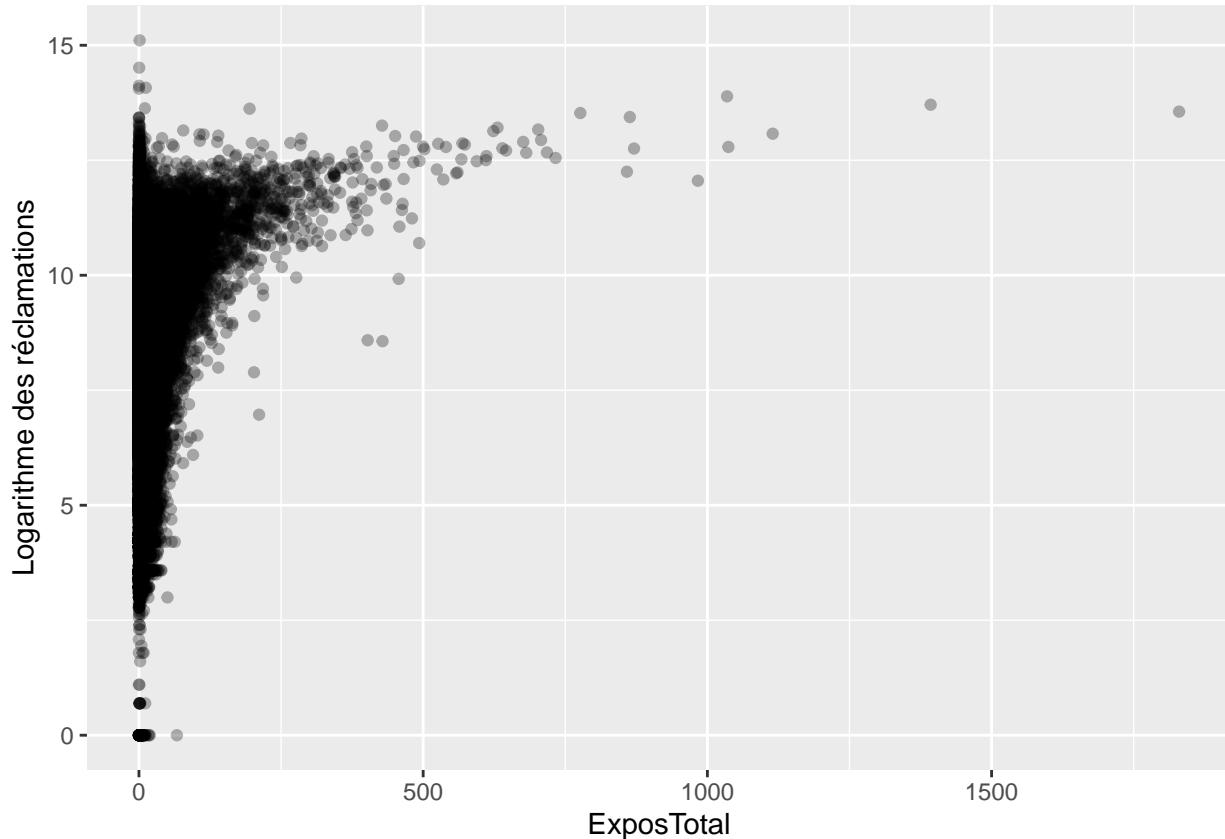
```
## Warning: Removed 1 rows containing non-finite values (`stat_boxplot()`).
```



## Exposition

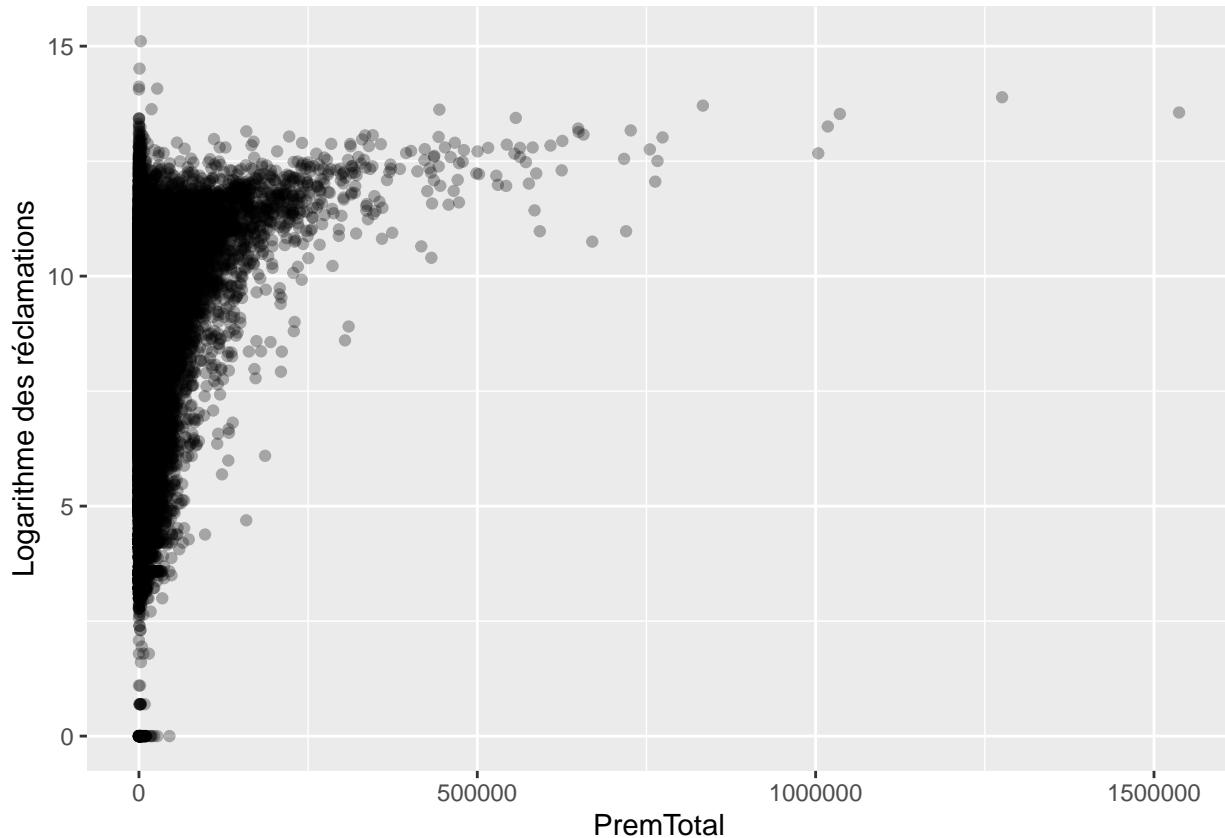
Moyenne	Médiane	Écart-type	Minimum	Maximum
NA	NA	NA	NA	NA

## Warning: Removed 1 rows containing missing values (`geom\_point()`).



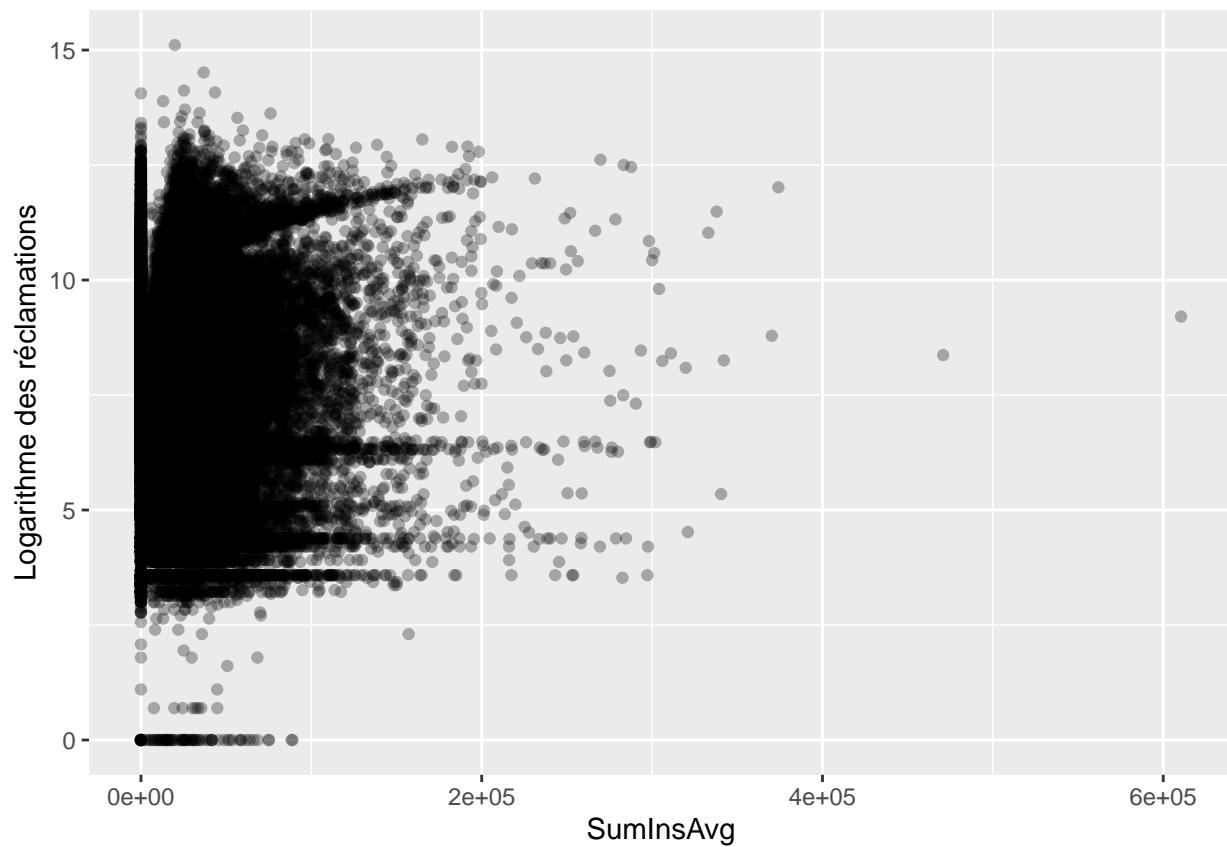
## Prime Totale

```
## Warning: Removed 1 rows containing missing values (`geom_point()`).
```



## SumInsAvg

```
## Warning: Removed 1 rows containing missing values (`geom_point()`).
```



## Conclusion