Rapport graphiques

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Contents

Introduction

Test de citation : (Buglife, 2024)

Les données

Ce jeux de donnée provient de la librairie dplyr et contient des informations sur des personnages de Starwars !

Imports

```
starwars
```

Figure 1: Fig. 1: Numérique dans un monde futuriste

```
## # A tibble: 87 x 14
##     name       height   mass hair_color  skin_color   eye_color birth_year sex    gender
##     <chr>       <int> <dbl> <chr>        <chr>        <chr>          <dbl> <chr> <chr>
##  1 Luke Sk~      172     77 blond        fair         blue              19 male   mascu~
##  2 C-3PO        167     75 <NA>         gold         yellow           112 none   mascu~
##  3 R2-D2         96     32 <NA>         white, bl~   red               33 none   mascu~
##  4 Darth V~     202    136 none         white        yellow          41.9 male   mascu~
##  5 Leia Or~     150     49 brown        light        brown             19 fema~ femin~
##  6 Owen La~     178    120 brown, gr~   light        blue              52 male   mascu~
##  7 Beru Wh~     165     75 brown        light        blue              47 fema~ femin~
##  8 R5-D4         97     32 <NA>         white, red   red               NA none   mascu~
##  9 Biggs D~     183     84 black        light        brown             24 male   mascu~
## 10 Obi-Wan~     182     77 auburn, w~   fair         blue-gray         57 male   mascu~
## # i 77 more rows
## # i 5 more variables: homeworld <chr>, species <chr>, films <list>,
## #   vehicles <list>, starships <list>
```

Présentation

Nous disposons de données sur … :

```
head(starwars)
```

```
## # A tibble: 6 x 14
##    name       height   mass hair_color  skin_color   eye_color birth_year sex    gender
##    <chr>       <int> <dbl> <chr>        <chr>        <chr>          <dbl> <chr> <chr>
## 1 Luke Sky~    172     77 blond        fair         blue              19 male   mascu~
## 2 C-3PO       167     75 <NA>         gold         yellow           112 none   mascu~
## 3 R2-D2        96     32 <NA>         white, bl~   red               33 none   mascu~
## 4 Darth Va~   202    136 none         white        yellow          41.9 male   mascu~
## 5 Leia Org~   150     49 brown        light        brown             19 fema~ femin~
## 6 Owen Lars   178    120 brown, gr~   light        blue              52 male   mascu~
## # i 5 more variables: homeworld <chr>, species <chr>, films <list>,
## #   vehicles <list>, starships <list>
```

Vous pouvez aussi intégrer du R dans le texte comme dans la phrase suivante. Nous disposons de 14 caractéristiques et 87 personnages.

Analyses

Analyses préliminaires

```
ggplot(data=starwars,
       mapping=aes(x= gender, y=height, fill = species ))+
  geom_violin(scale = "area")+
  theme_minimal()+
  geom_hline(yintercept=175, color="orange", size=1) +
  geom_vline(xintercept=2, color="orange", size=1)+
  annotate("segment", x = 1, xend = 4, y = 15, yend = 175, colour = "blue", size=3, alpha=0.8, arrow=ar
```

```
## Warning: Using 'size' aesthetic for lines was deprecated in ggplot2 3.4.0.
## i Please use 'linewidth' instead.
## This warning is displayed once every 8 hours.
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was
## generated.
```

```
## Warning: Removed 6 rows containing non-finite outside the scale range
## ('stat_ydensity()').
```

```
## Warning: Groups with fewer than two datapoints have been dropped.
## i Set 'drop = FALSE' to consider such groups for position adjustment purposes.
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```

On remarque que le wookie est l'espèce la plus grande parmis l'ensemble des espèces. De plus, nous pouvons voir que la majorité des tailles du genre femme sont plus petites que le reste des tailles.

```r
ggplot(data=starwars,
       mapping=aes(x= gender, y= mass, fill = species ))+
  geom_violin(scale = "area")+
  theme_minimal()
```

```
## Warning: Removed 28 rows containing non-finite outside the scale range
## ('stat_ydensity()').
```

```
## Warning: Groups with fewer than two datapoints have been dropped.
## i Set 'drop = FALSE' to consider such groups for position adjustment purposes.
## Groups with fewer than two datapoints have been dropped.
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```

Figure 2: Fig 2: Barplot

```
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```
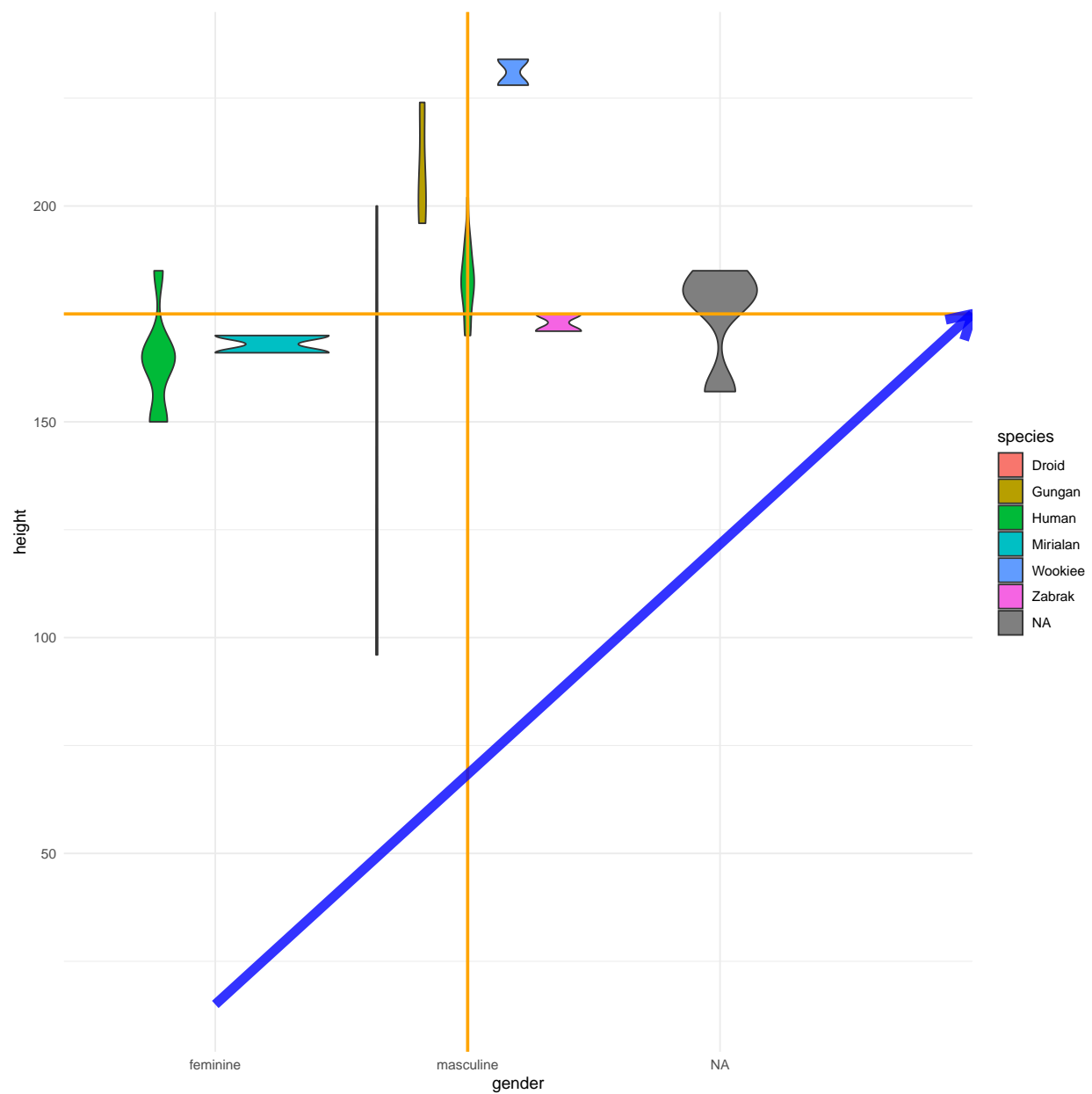
Concernant la masse par rapport aux espèces, nous pouvons constater que les humains masculins ont une masse plus importante que les femmes humaines. Malgrès leur grande taille les wookies n'ont pas une masse très élevée

Interpretations et Conclusion

On constate que le "wookiee" est l'espèce la plus grande avec une hauteur moyenne de `mean(starwars$species = "Wookiee")`

Références

Liens

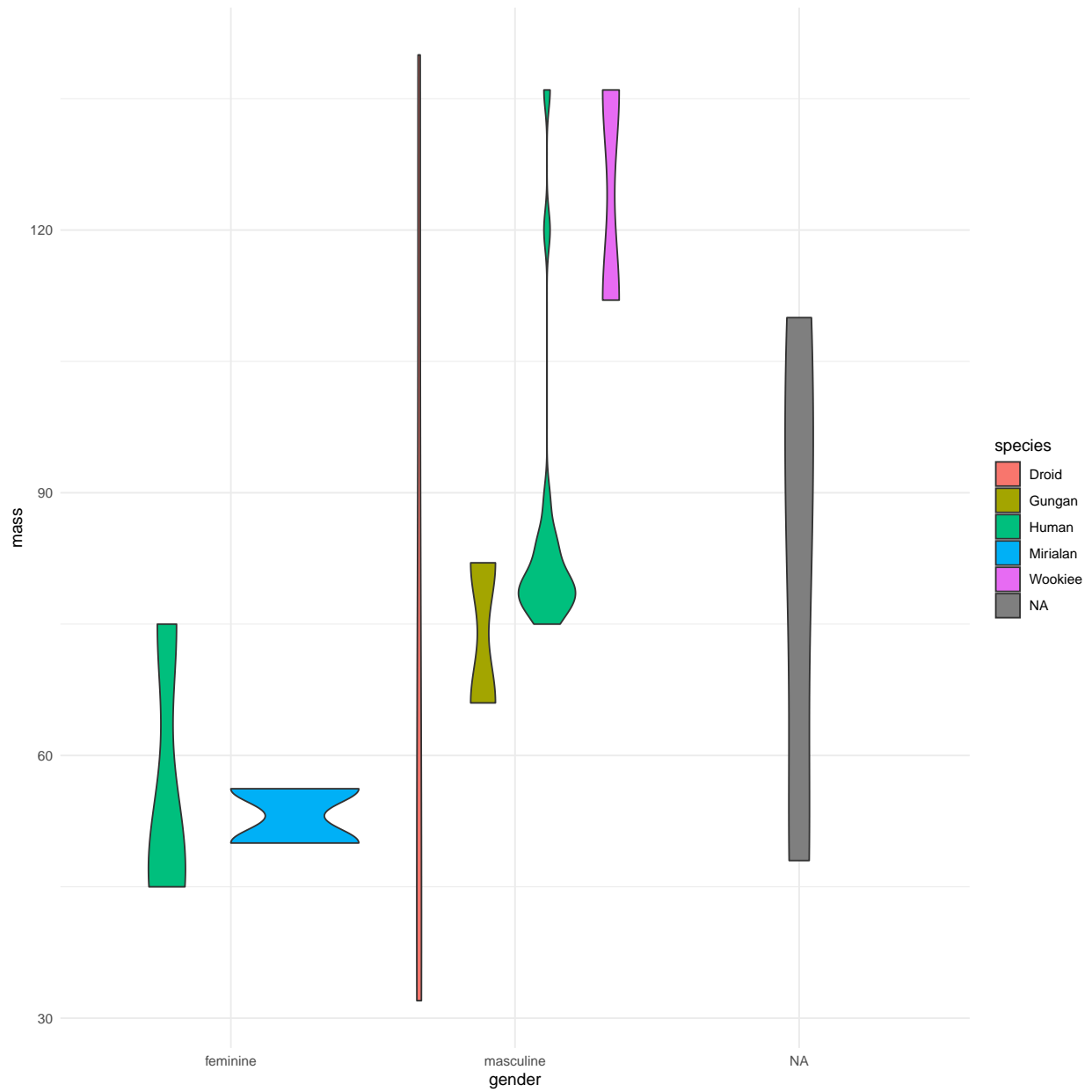ISARA : https://isaranet.fr/ consulté le . . .

Figure 3: Fig 2: Barplot

Bibliographie

Liste des publications :

BUGLIFE, 2024. *Buglife Bug Directory ~ Violet Ground Beetle* [en ligne]. janvier 2024. [Consulté le 24 janvier 2025]. Disponible à l'adresse : https://www.buglife.org.uk/bugs/bug-directory/violet-ground-beetle/