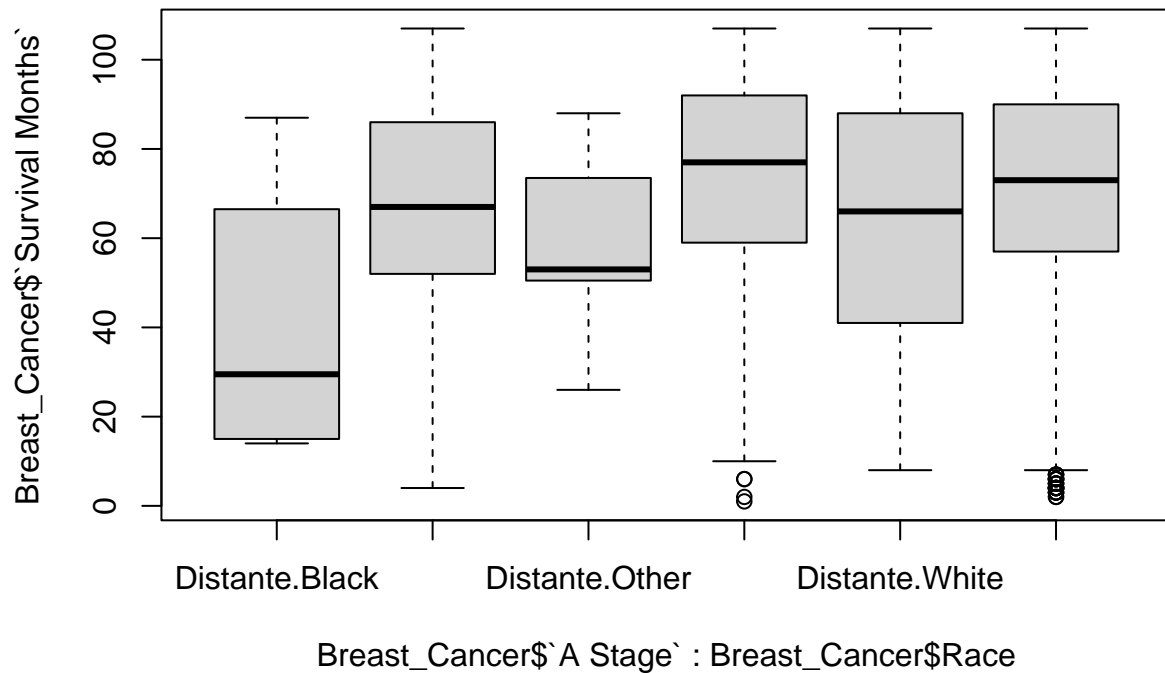


Información tomada de TENG (2019)

```
library(readr)
Breast_Cancer <- read_csv("Breast_Cancer.csv")

Breast_Cancer$`A Stage` <- factor(Breast_Cancer$`A Stage`)
levels(Breast_Cancer$`A Stage`) <- c('Distante', 'Regional')

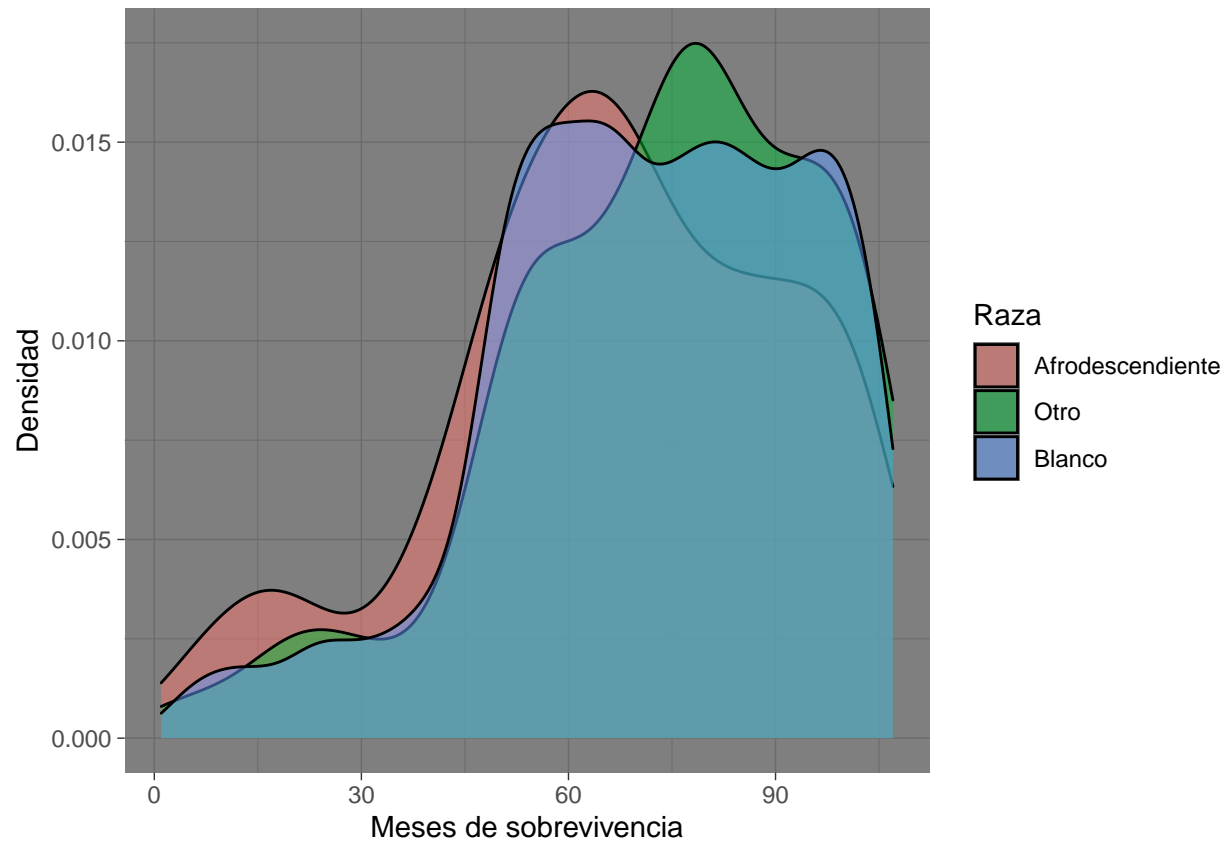
boxplot(Breast_Cancer$`Survival Months` ~ Breast_Cancer$`A Stage` + Breast_Cancer$Race)
```



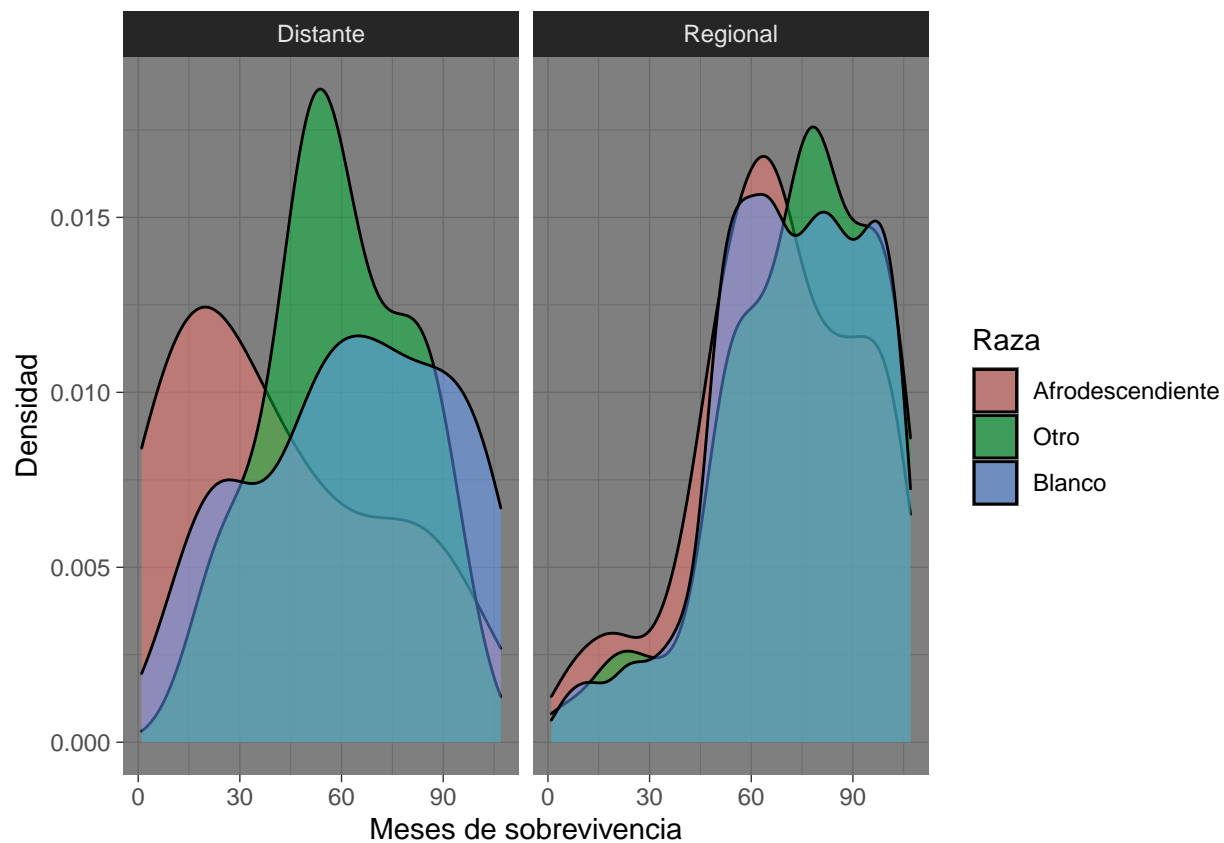
```
library(ggplot2)
```

Considerando los meses de sobrevivencia de cáncer como la variable respuesta

```
ggplot(Breast_Cancer, aes(`Survival Months`, fill = Race)) + geom_density(alpha = 0.5) + scale_fill_discrete()
```



```
ggplot(Breast_Cancer, aes(`Survival Months`, fill = Race)) + geom_density(alpha = 0.5) + scale_fill_discrete()
```

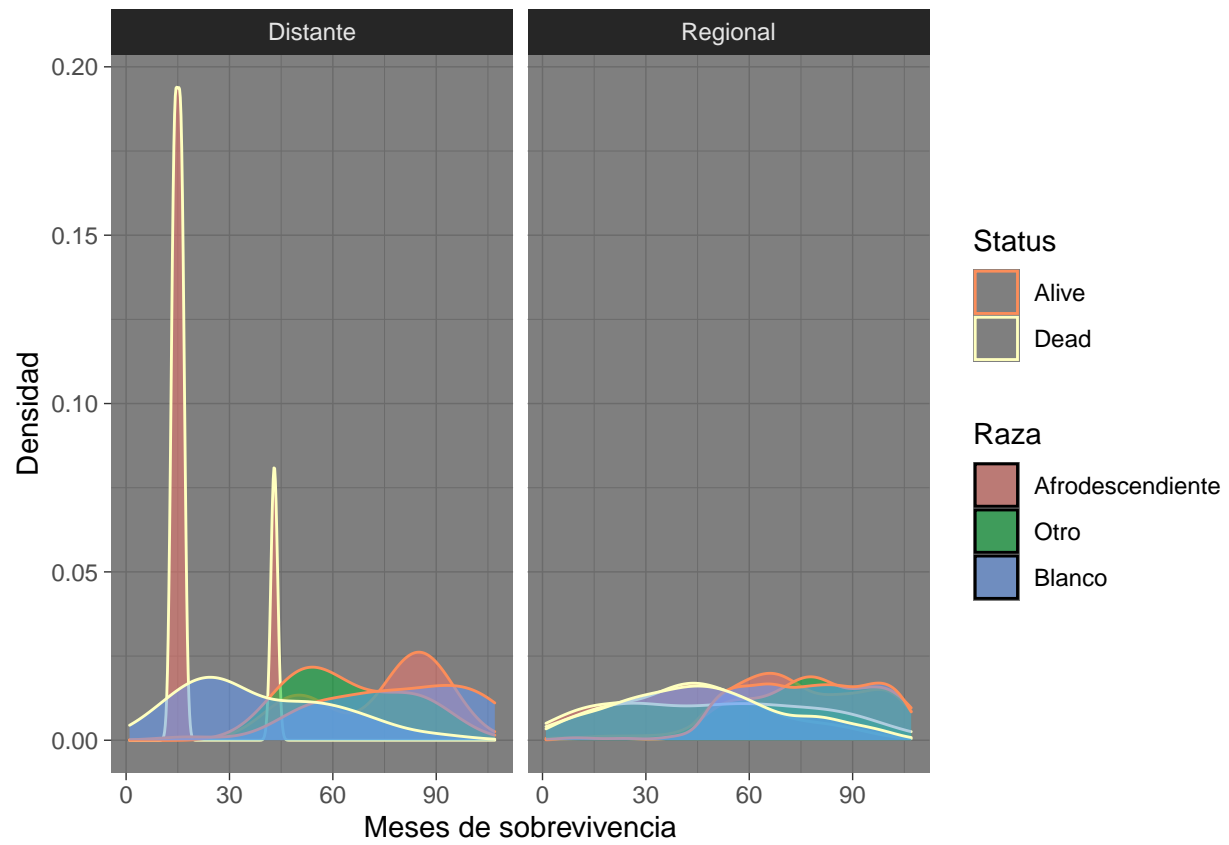


```
ggplot(Breast_Cancer, aes(`Survival Months`, fill = Race, color = Status)) + geom_density(alpha = 0.5) +
```

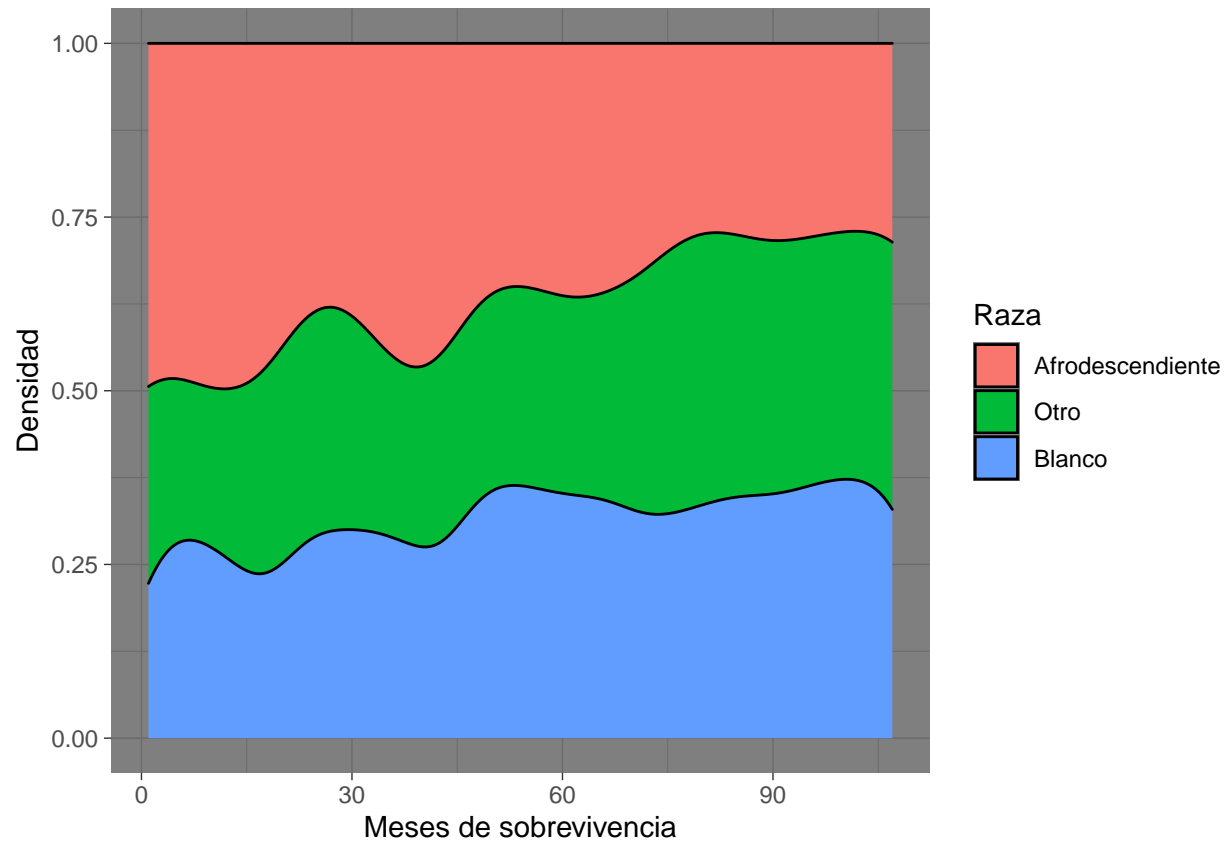
```
## Warning: Groups with fewer than two data points have been dropped.
```

```
## Warning in max(ids, na.rm = TRUE): ningun argumento finito para max; retornando
```

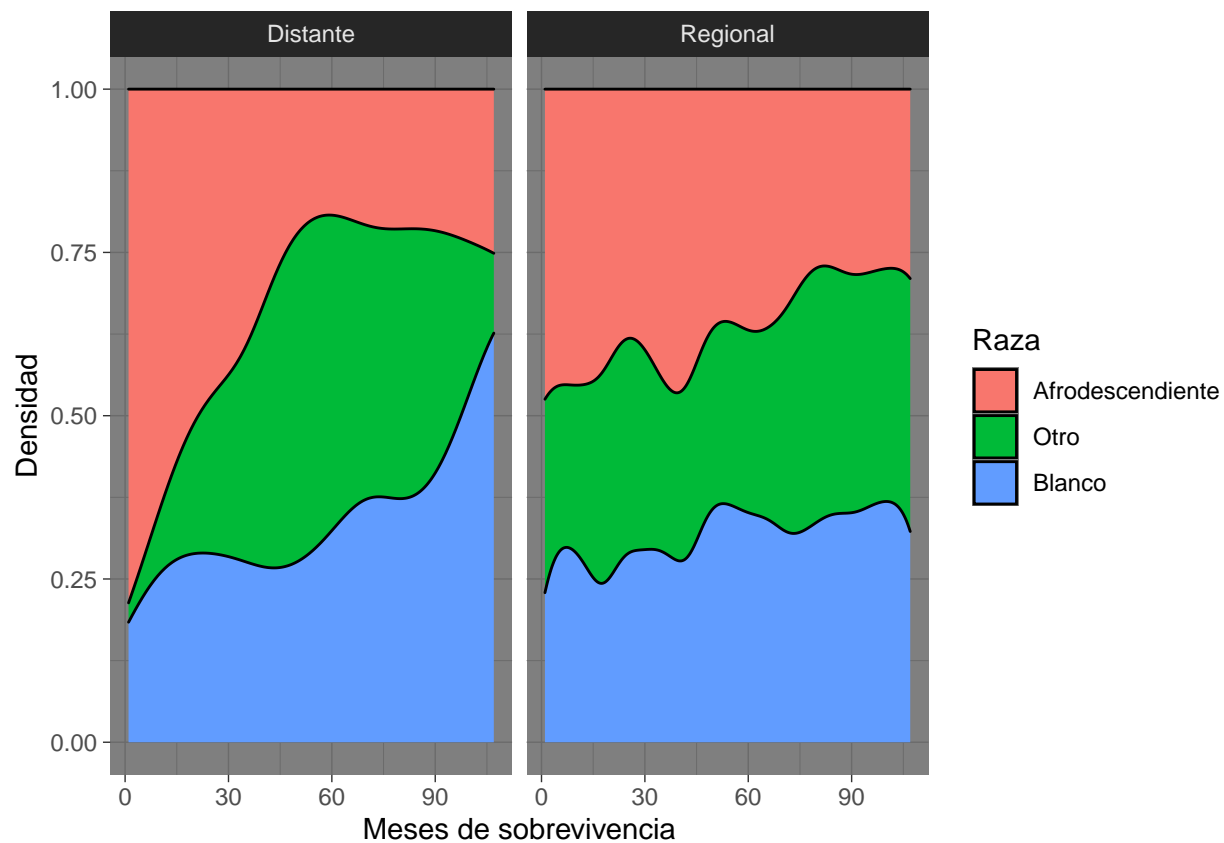
```
## -Inf
```



```
ggplot(Breast_Cancer, aes(`Survival Months`, fill = Race)) + geom_density(position = 'fill') + scale_fill_
```



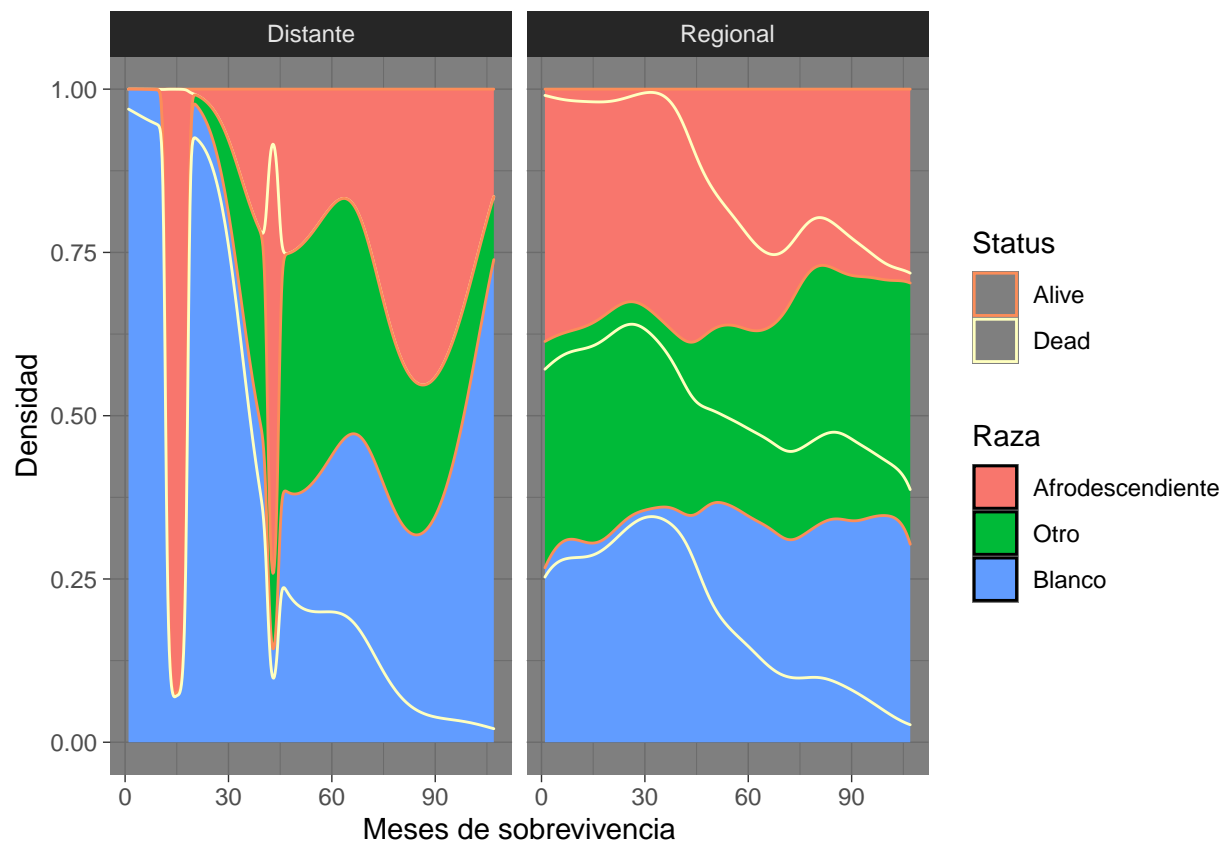
```
ggplot(Breast_Cancer, aes(`Survival Months`, fill = Race)) + geom_density(position = 'fill') + scale_fill_
```



```
ggplot(Breast_Cancer, aes(`Survival Months`, fill = Race, color = Status)) + geom_density(position = 'f
```

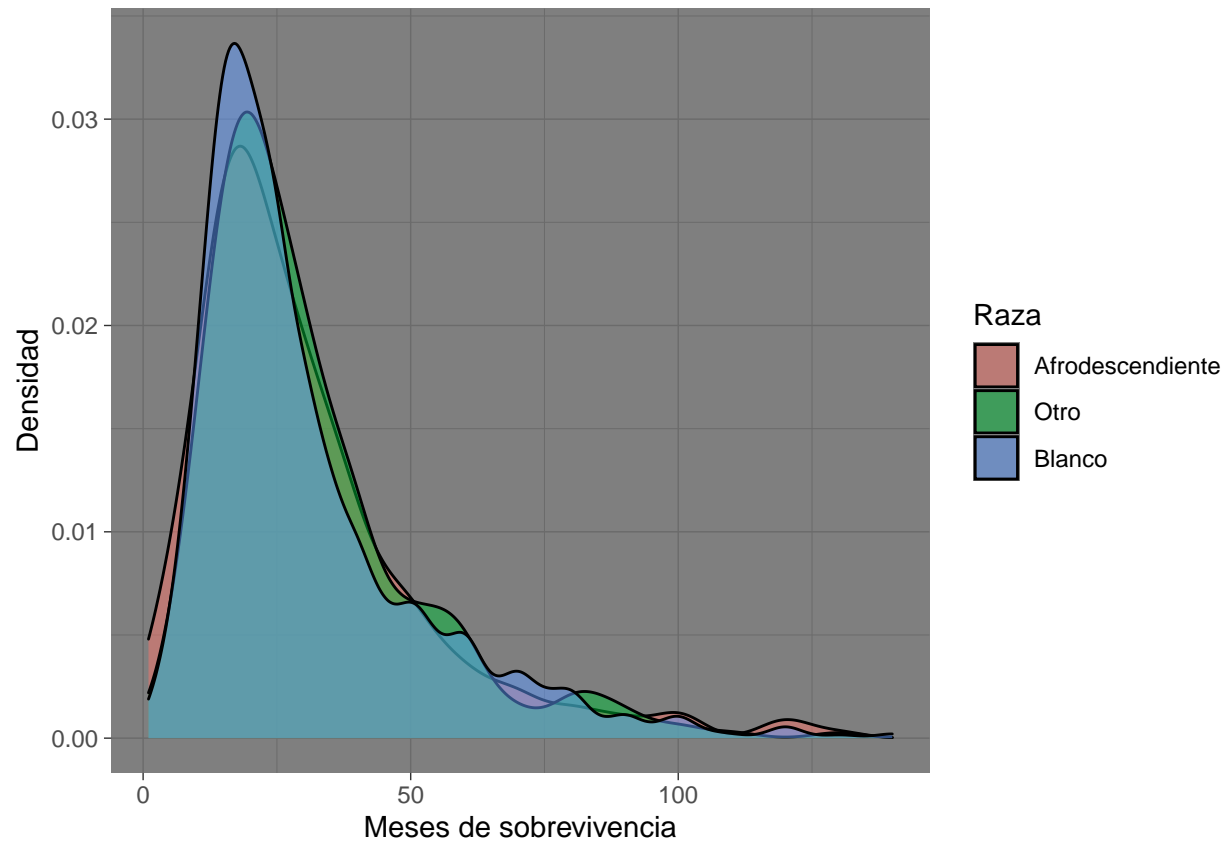
```
## Warning: Groups with fewer than two data points have been dropped.
```

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

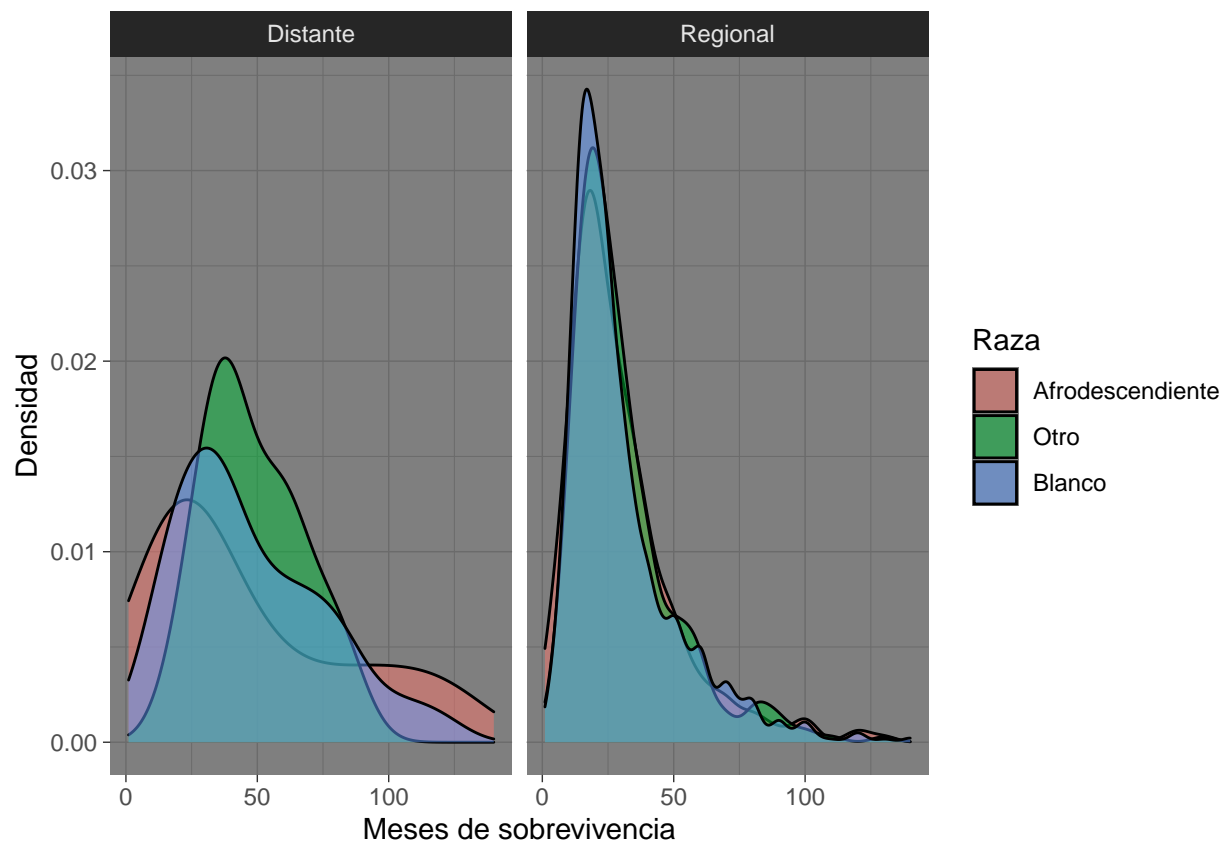


Considerando la variable tamaño del tumor como variable respuesta

```
ggplot(Breast_Cancer, aes(`Tumor Size`, fill = Race)) + geom_density(alpha = 0.5) + scale_fill_discrete
```



```
ggplot(Breast_Cancer, aes(`Tumor Size`, fill = Race)) + geom_density(alpha = 0.5) + scale_fill_discrete
```

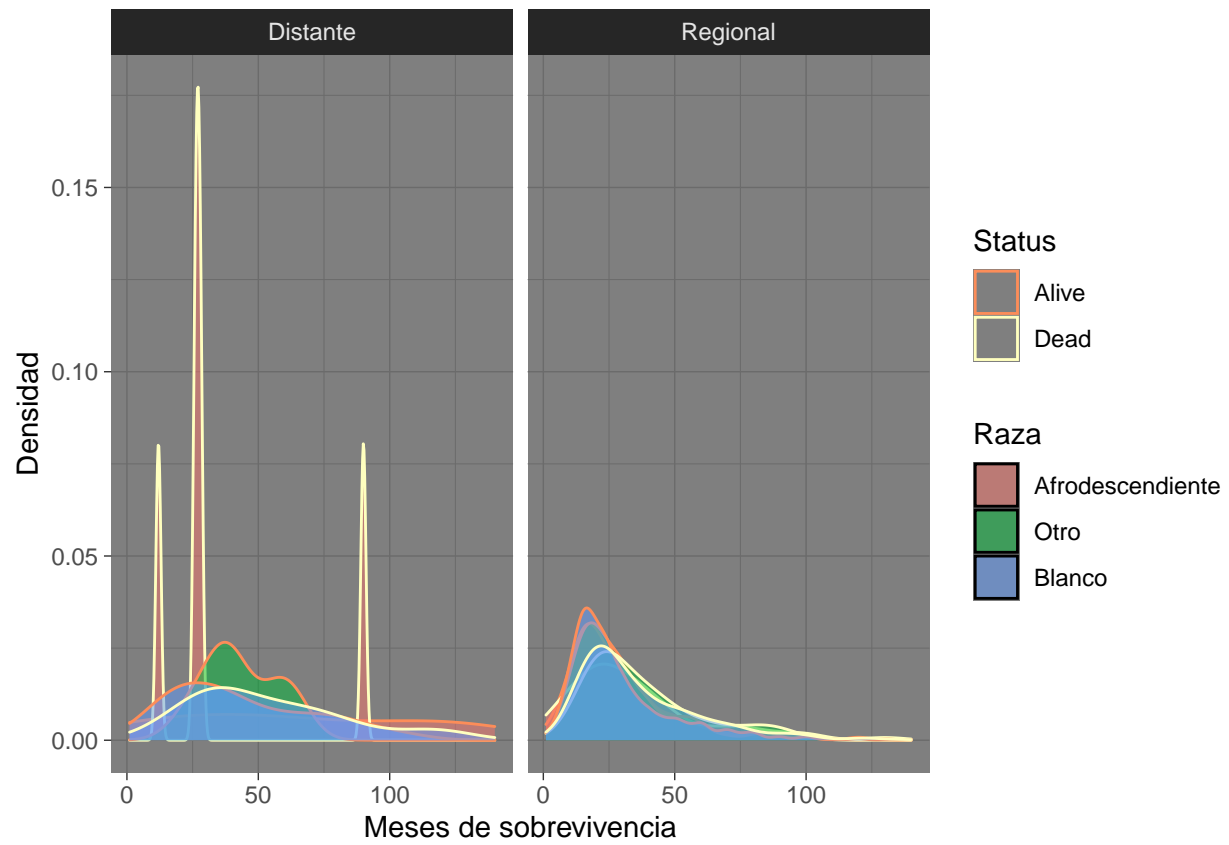



```
ggplot(Breast_Cancer, aes(`Tumor Size`, fill = Race, color = Status)) + geom_density(alpha = 0.5) + sca
```

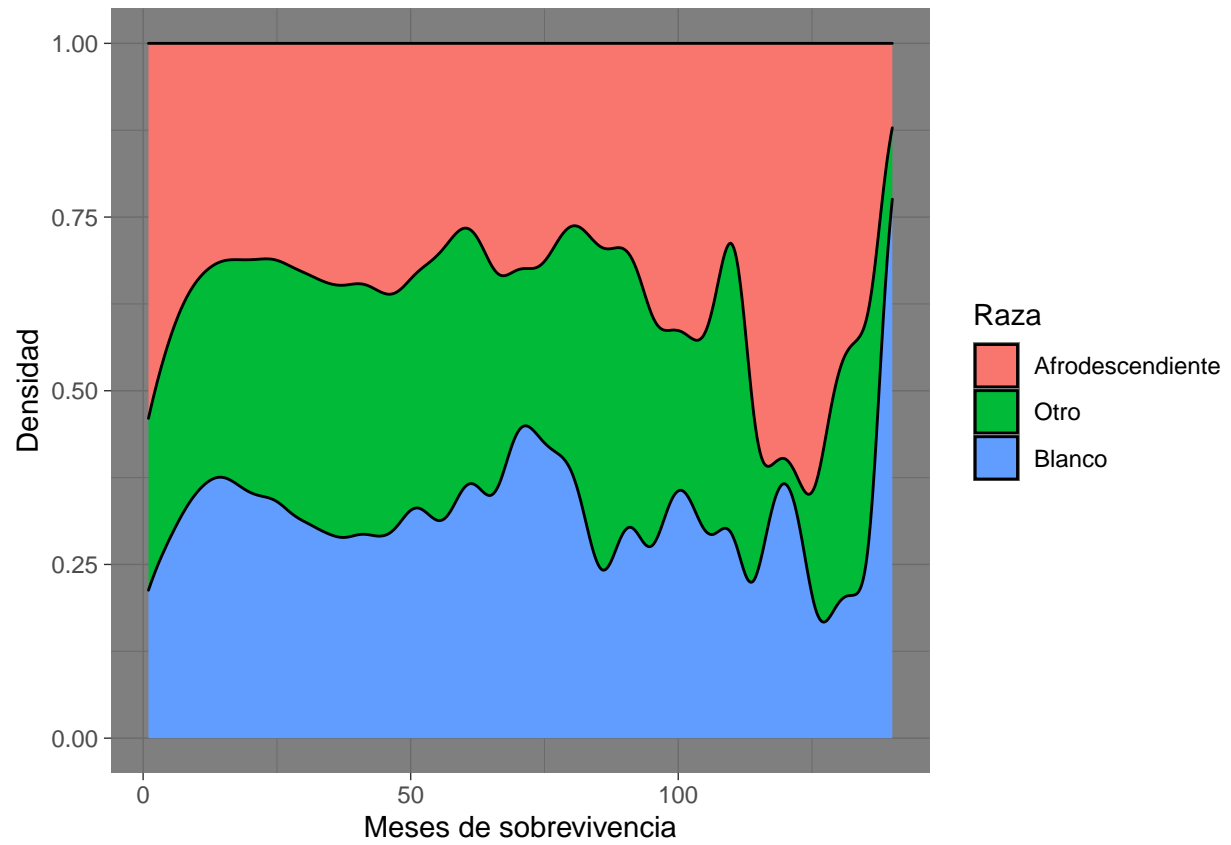
```
## Warning: Groups with fewer than two data points have been dropped.
```

```
## Warning in max(ids, na.rm = TRUE): ningun argumento finito para max; retornando
```

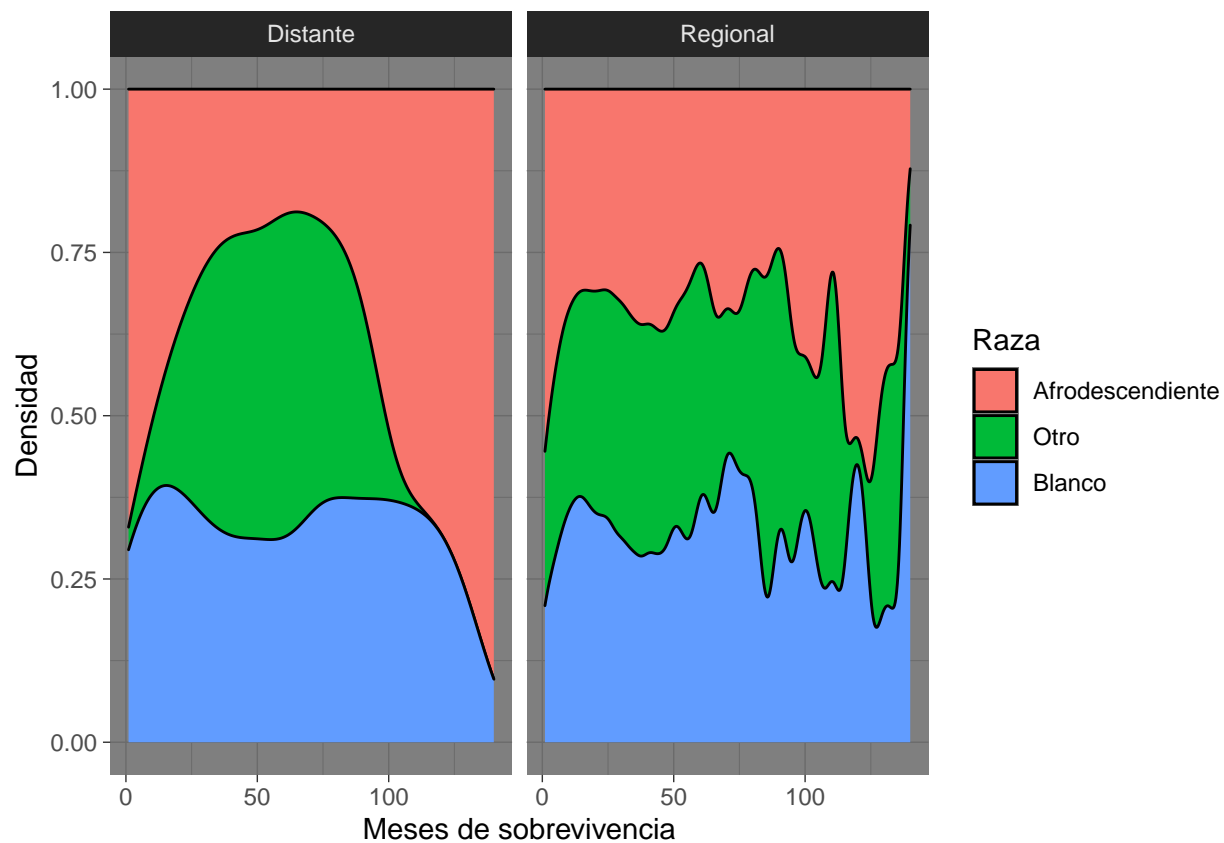
```
## -Inf
```



```
ggplot(Breast_Cancer, aes(`Tumor Size`, fill = Race)) + geom_density(position = 'fill') + scale_fill_di
```



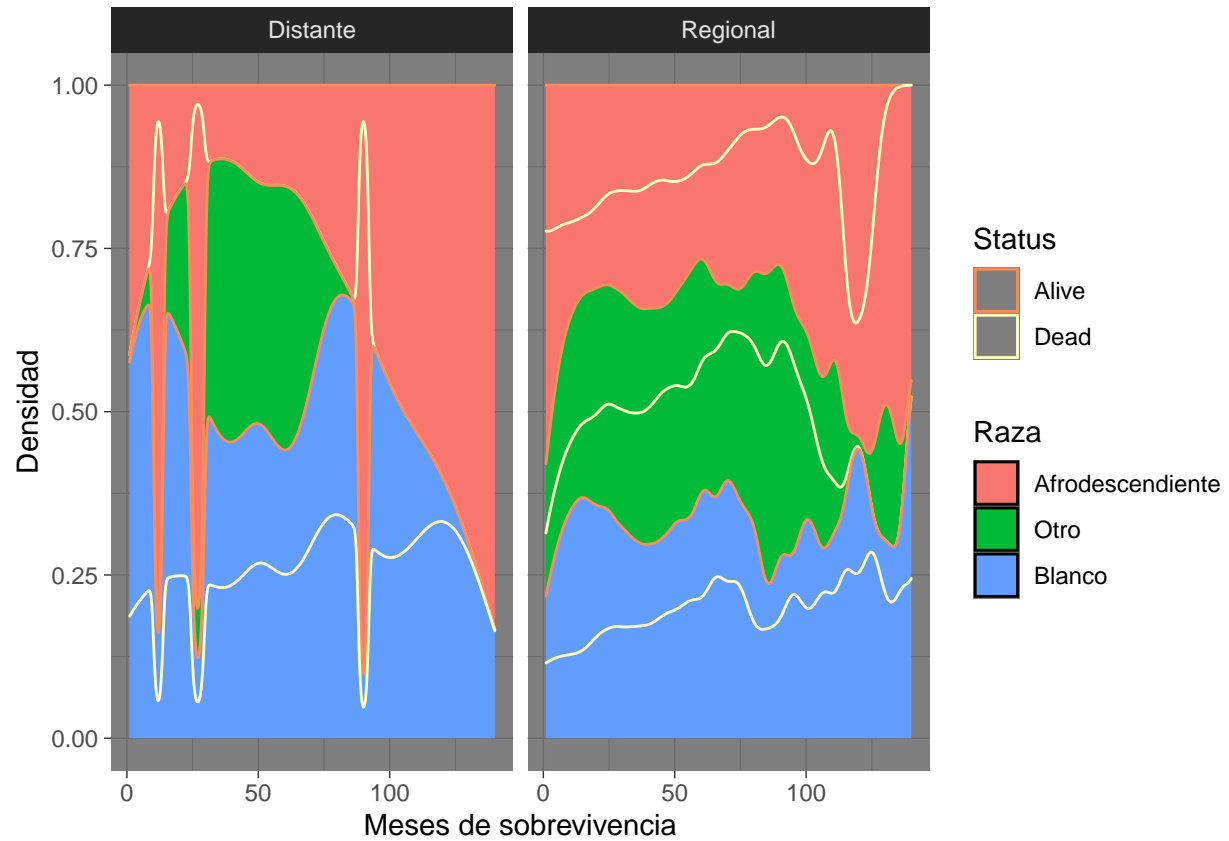
```
ggplot(Breast_Cancer, aes(`Tumor Size`, fill = Race)) + geom_density(position = 'fill') + scale_fill_di
```



```
ggplot(Breast_Cancer, aes(`Tumor Size`, fill = Race, color = Status)) + geom_density(position = 'fill')
```

```
## Warning: Groups with fewer than two data points have been dropped.
```

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



Referencias

TENG, JING. 2019. "SEER Breast Cancer Data." IEEE Dataport. <https://doi.org/10.21227/a9qy-ph35>.