

# AulaPratica02

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Carregar o conjunto de dados

```
library(ggplot2)

data_patient <- read.csv("patient_data.csv")
```

```
colnames(data_patient)
```

```
## [1] "ID"           "Idade"         "Sexo"
## [4] "Colesterol"   "PressaoSistolica" "PressaoDiastolica"
## [7] "Glicose"
```

```
# CREATE DATASET SOMENTE PARA ANALISE
```

```
df <- data_patient[,c("Colesterol", "PressaoSistolica", "PressaoDiastolica", "Glicose")]
```

## Gráfico de Pizza das médias dos indicadores de Saúde Cardiometabólica

```
# Calcular a media dos scores
```

```
avg_scores <- round(colMeans(df), digits = 2)
```

```
avg_scores_df <- data.frame(Subject = names(avg_scores), Average_Score=avg_scores)
```

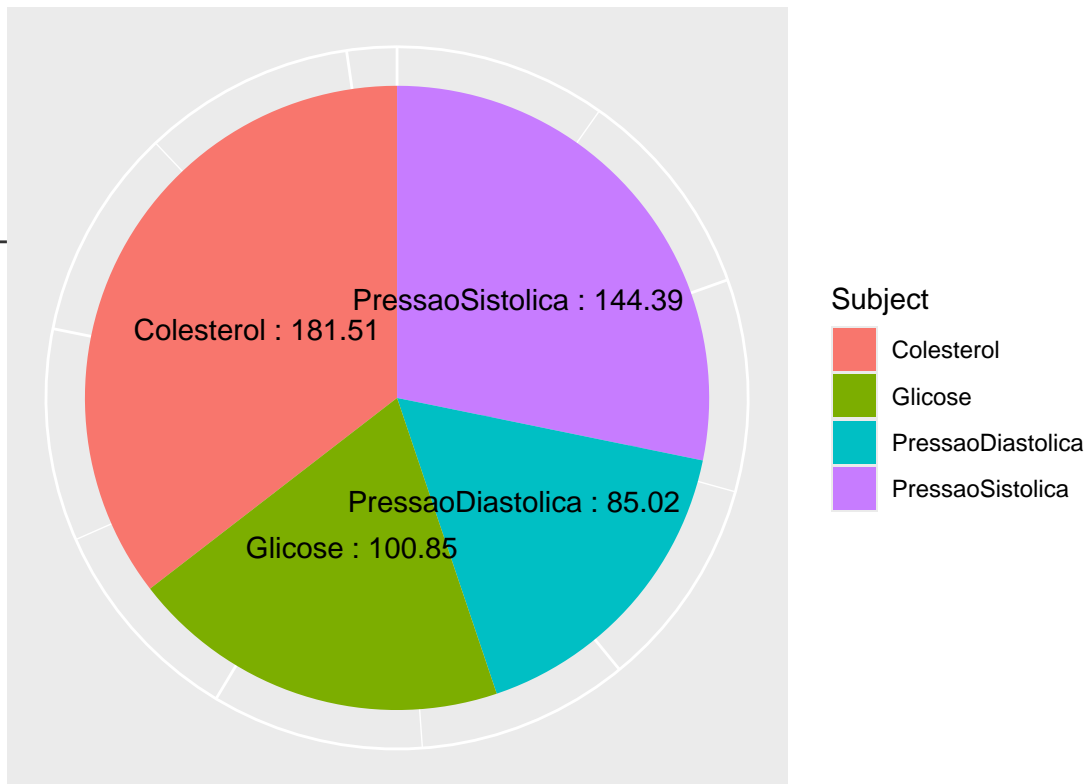
```
# Criar o grafico de pizza
```

```
pie_chart <- ggplot(avg_scores_df, aes(x = "", y= Average_Score, fill= Subject)) +  
  geom_bar(stat="identity") +  
  coord_polar("y", start = 0 ) +  
  labs(title = "Pontuação media de cada indicadores Cardiometabólica") +  
  geom_text(aes(label= paste(Subject, ":", Average_Score)), position= position_stack(vjust = 0.5)) +  
  theme(axis.text = element_blank(), axis.title = element_blank())
```

```
#Print
```

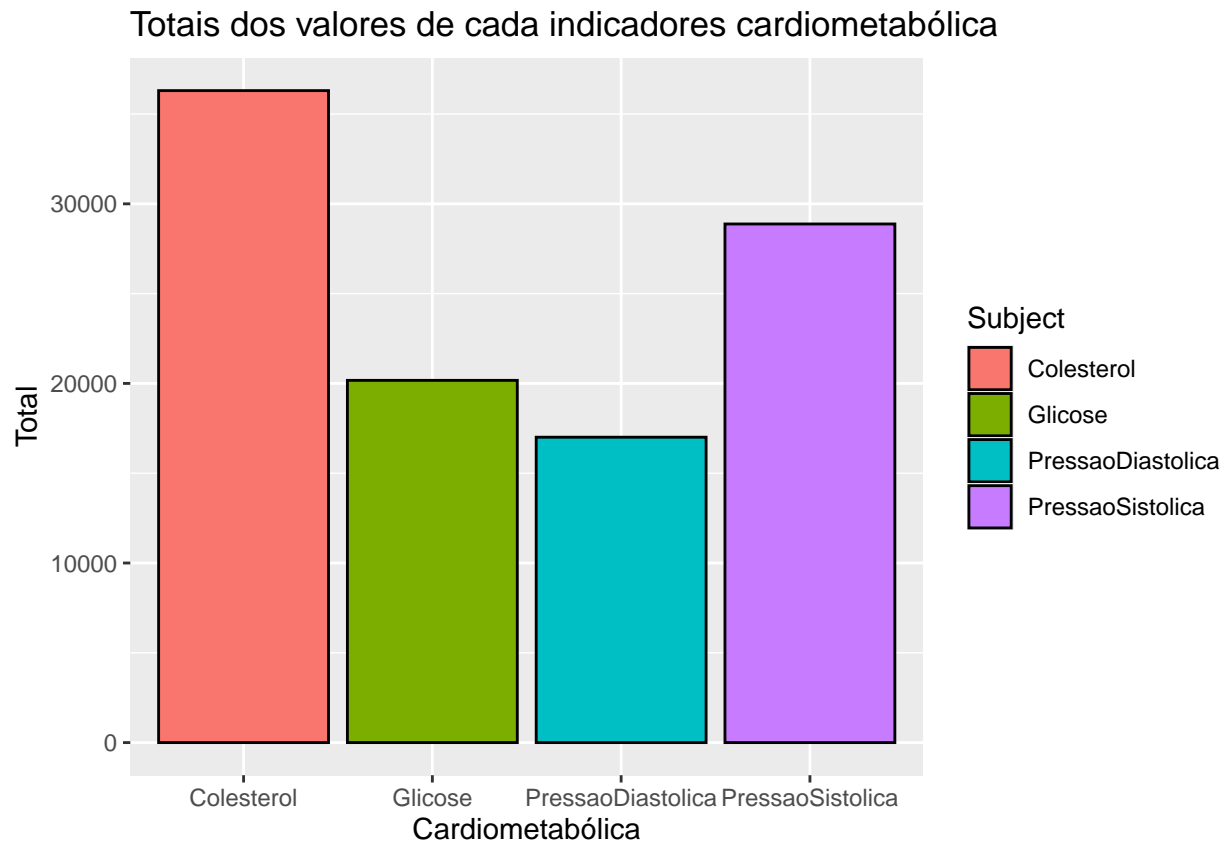
```
print(pie_chart)
```

## Pontuação media de cada indicadores Cardiometabólica



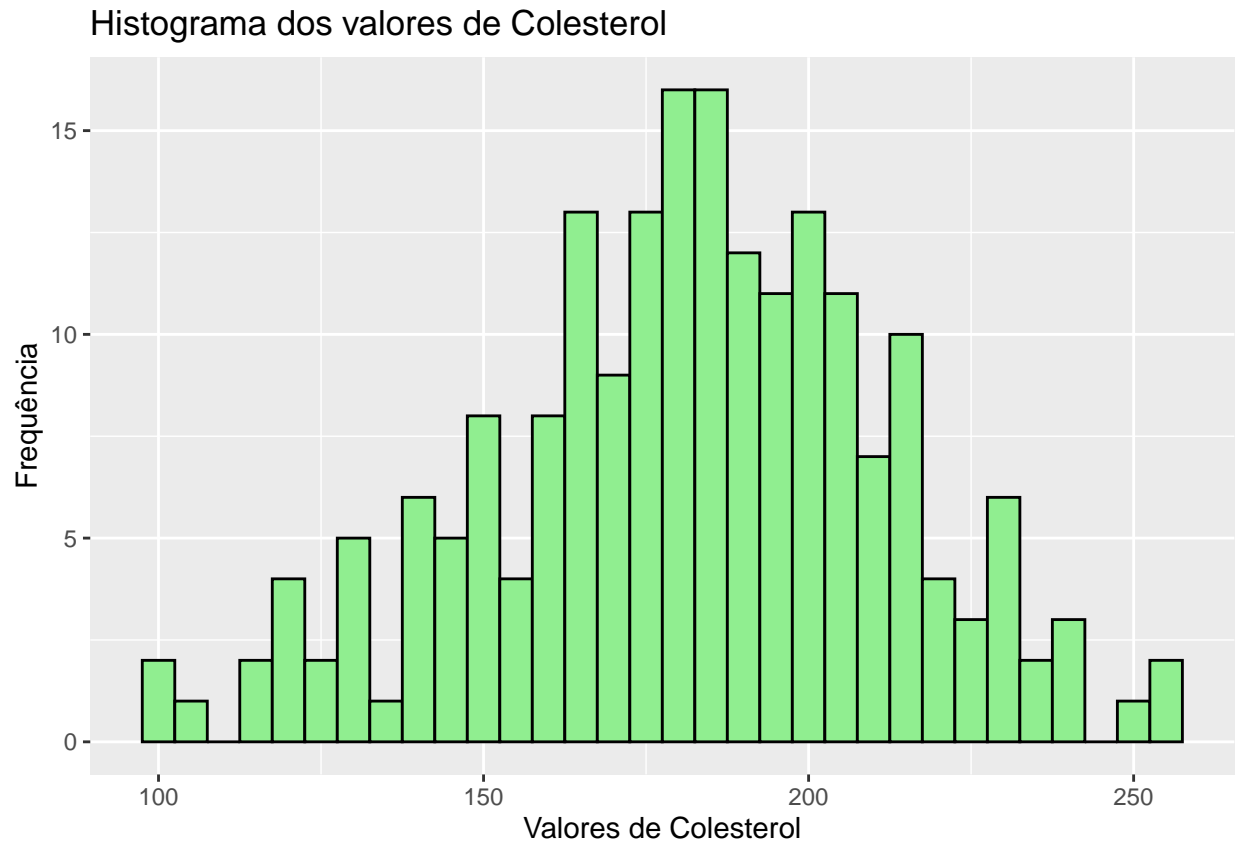
### Gráfico de Barras dos totais dos indicadores Cardiometabólica

```
total_scores <- colSums(df)
totla_score_df <- data.frame(Subject = names(total_scores), Total_Score = total_scores)
bar_plot <- ggplot(totla_score_df, aes(x= Subject, y= Total_Score, fill = Subject))+
  geom_bar(stat= "identity", color = "black")+
  labs(title = "Totais dos valores de cada indicadores cardiometabólica", x="Cardiometabólica", y="Total")
print(bar_plot)
```



### Histograma dos valores de Colesterol

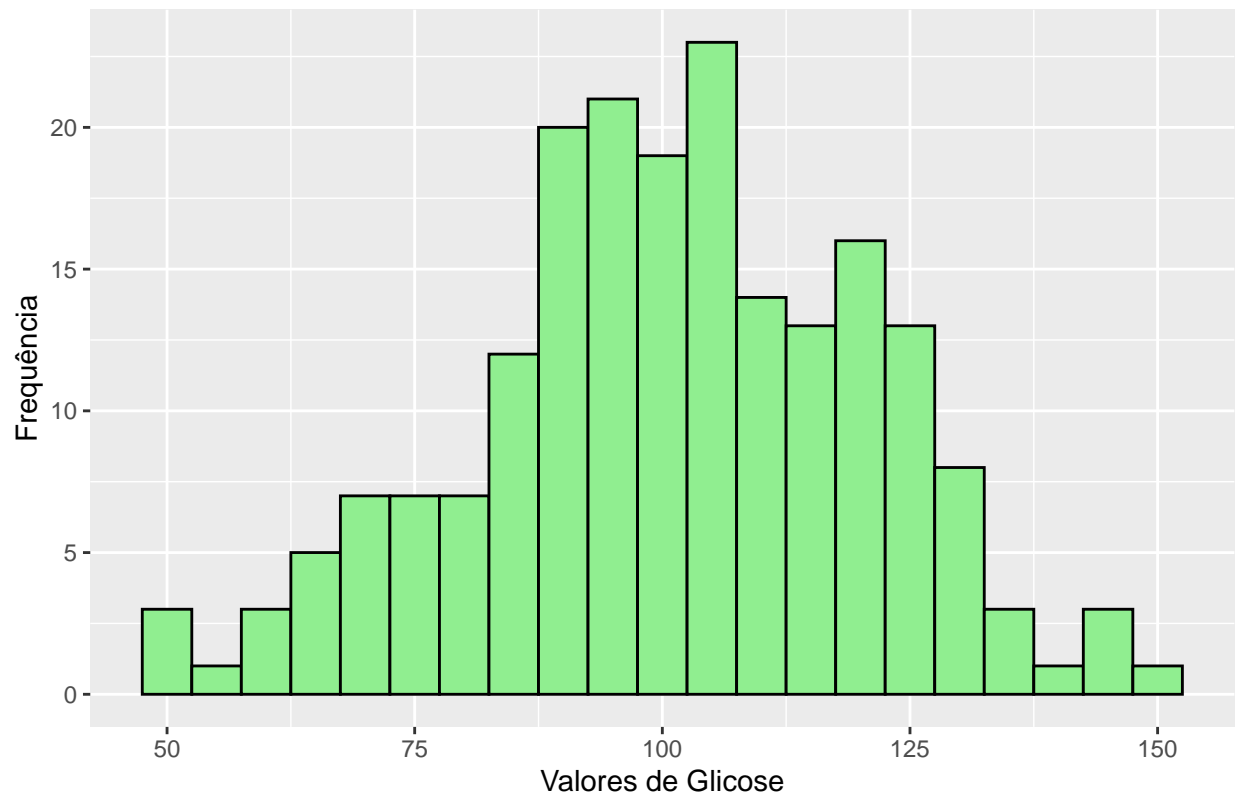
```
histogram_cholesterol <- ggplot(df, aes(x = Colesterol)) +  
  geom_histogram(binwidth = 5, fill = "lightgreen", color = "black") +  
  labs(title = "Histograma dos valores de Colesterol", x = "Valores de Colesterol", y = "Frequência")  
print(histogram_cholesterol)
```



### Histograma dos valores de Glicose

```
histogram_glicose <- ggplot(df, aes(x = Glicose)) +  
  geom_histogram(binwidth = 5, fill = "lightgreen", color = "black") +  
  labs(title = "Histograma dos valores de Glicose", x = "Valores de Glicose", y = "Frequência")  
print(histogram_glicose)
```

### Histograma dos valores de Glicose

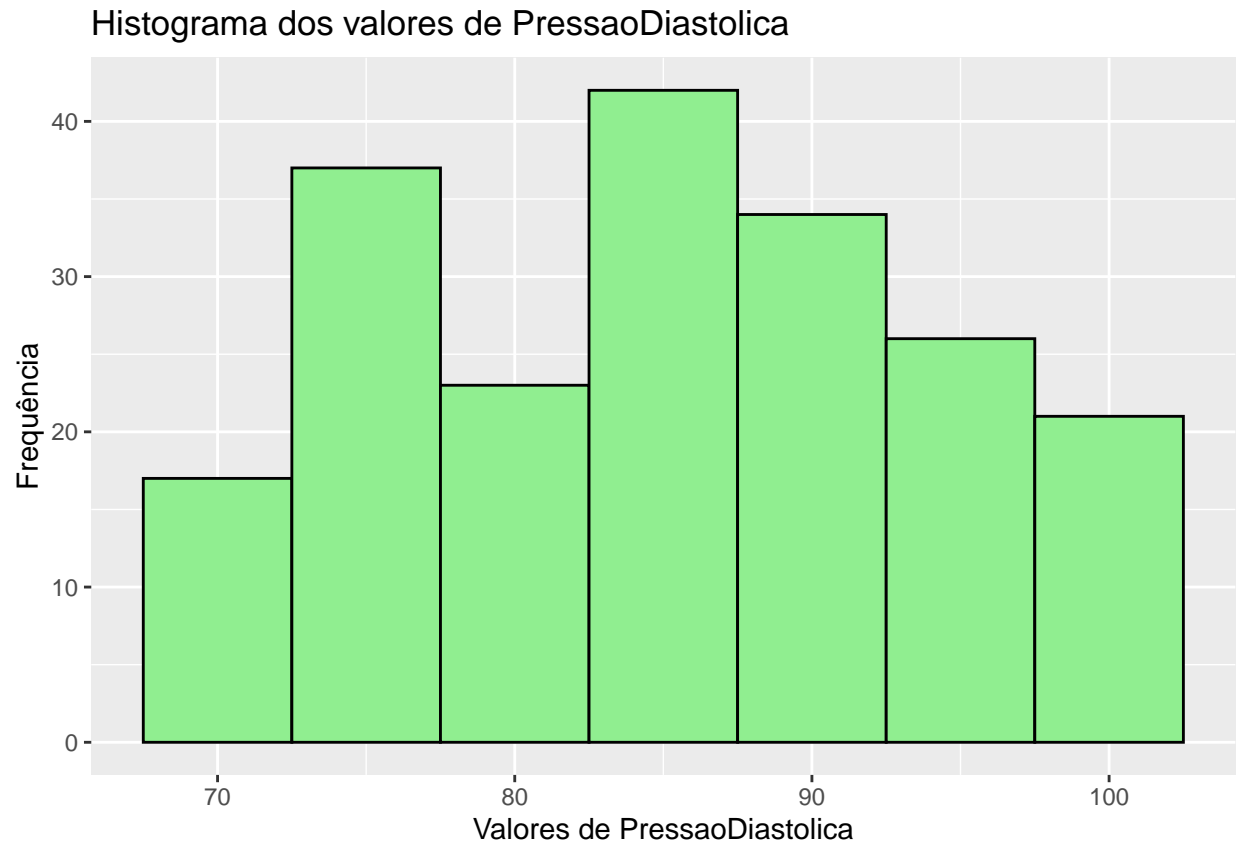


### Histograma dos valores de PressaoDiastolica

```

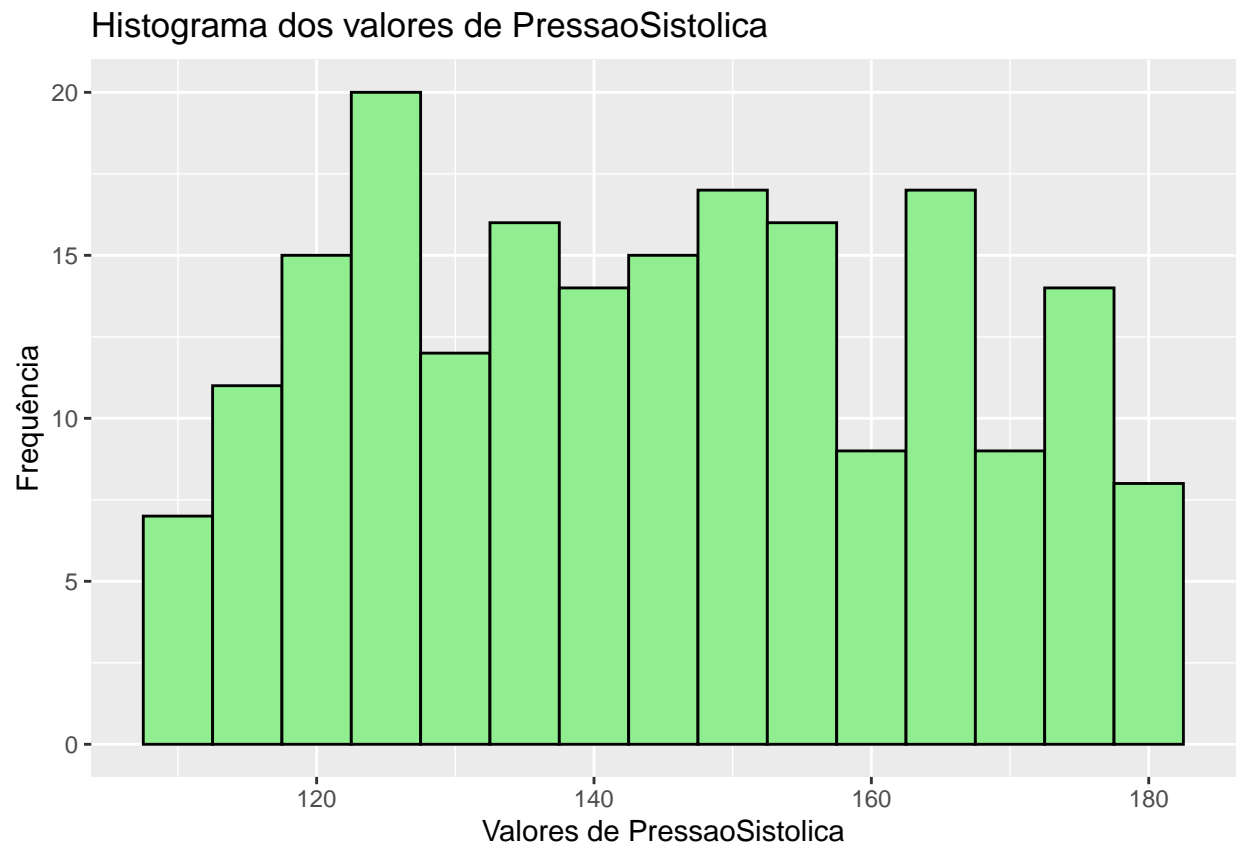
histogram_PressaoDiastolica <- ggplot(df, aes(x = PressaoDiastolica)) +
  geom_histogram(binwidth = 5, fill = "lightgreen", color = "black") +
  labs(title = "Histograma dos valores de PressaoDiastolica", x = "Valores de PressaoDiastolica", y = "Frequência")
print(histogram_PressaoDiastolica)

```



### Histograma dos valores de PressaoSistolica

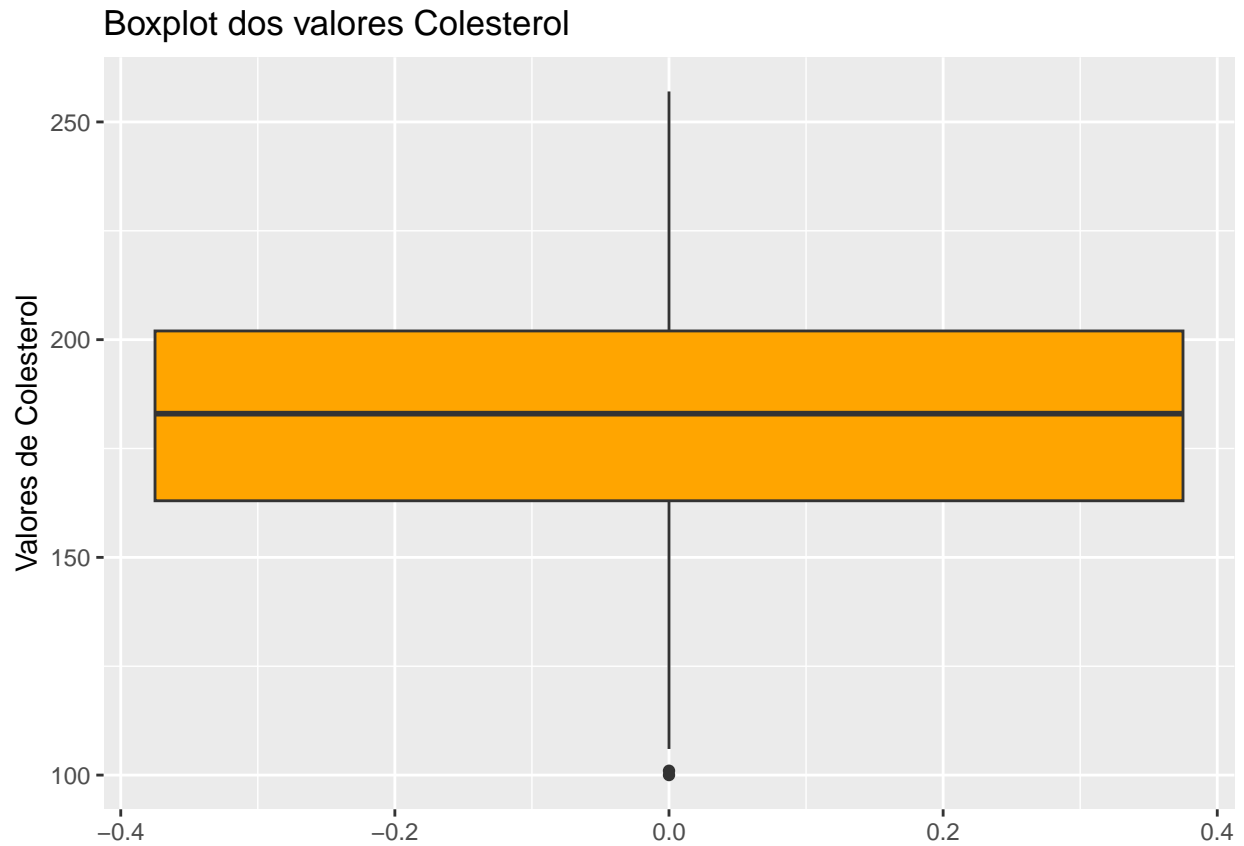
```
histogram_PressaoSistolica <- ggplot(df, aes(x = PressaoSistolica)) +  
  geom_histogram(binwidth = 5, fill = "lightgreen", color = "black") +  
  labs(title = "Histograma dos valores de PressaoSistolica", x = "Valores de PressaoSistolica", y = "Frequência")  
print(histogram_PressaoSistolica)
```





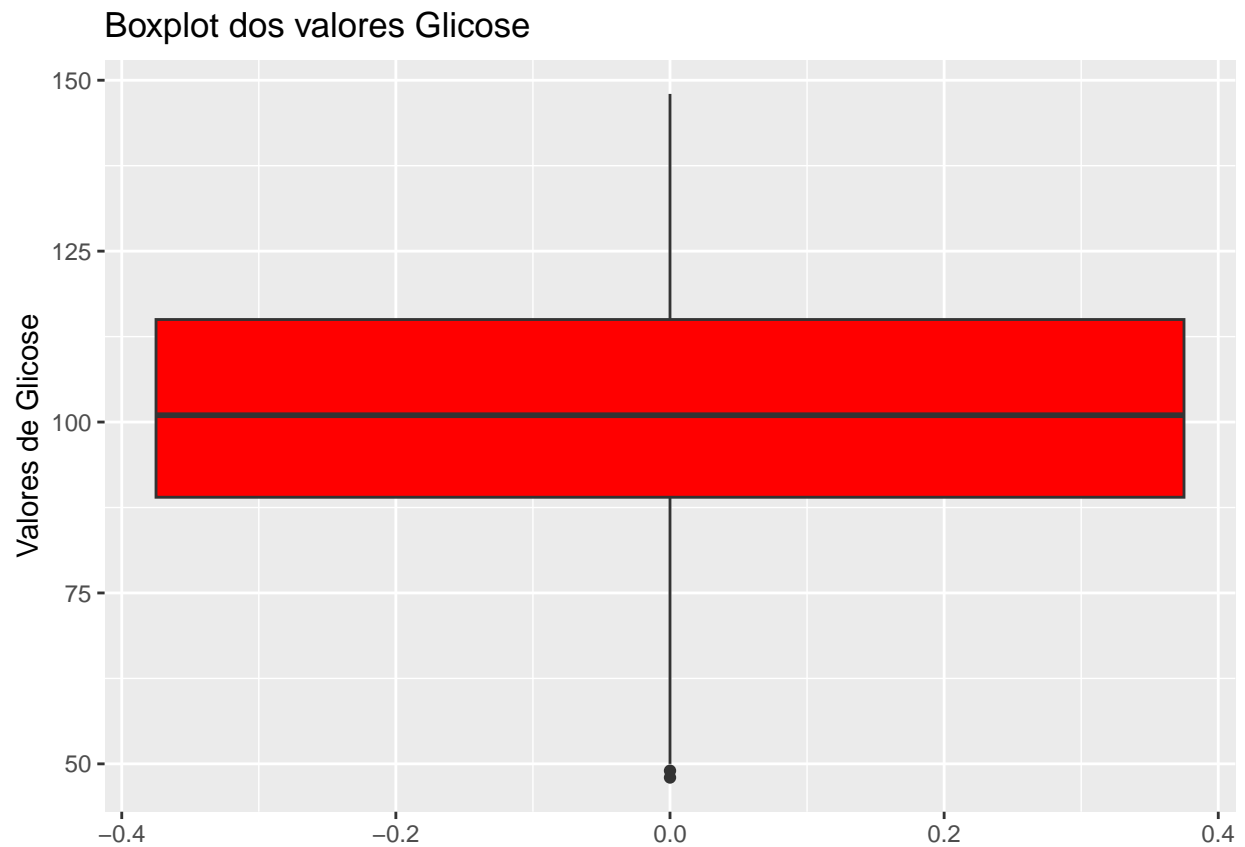
### Boxplot dos valores Colesterol

```
boxplot_Colesterol <- ggplot(df, aes(y = Colesterol)) +  
  geom_boxplot(fill = "orange") +  
  labs(title = "Boxplot dos valores Colesterol", y = "Valores de Colesterol")  
print(boxplot_Colesterol)
```



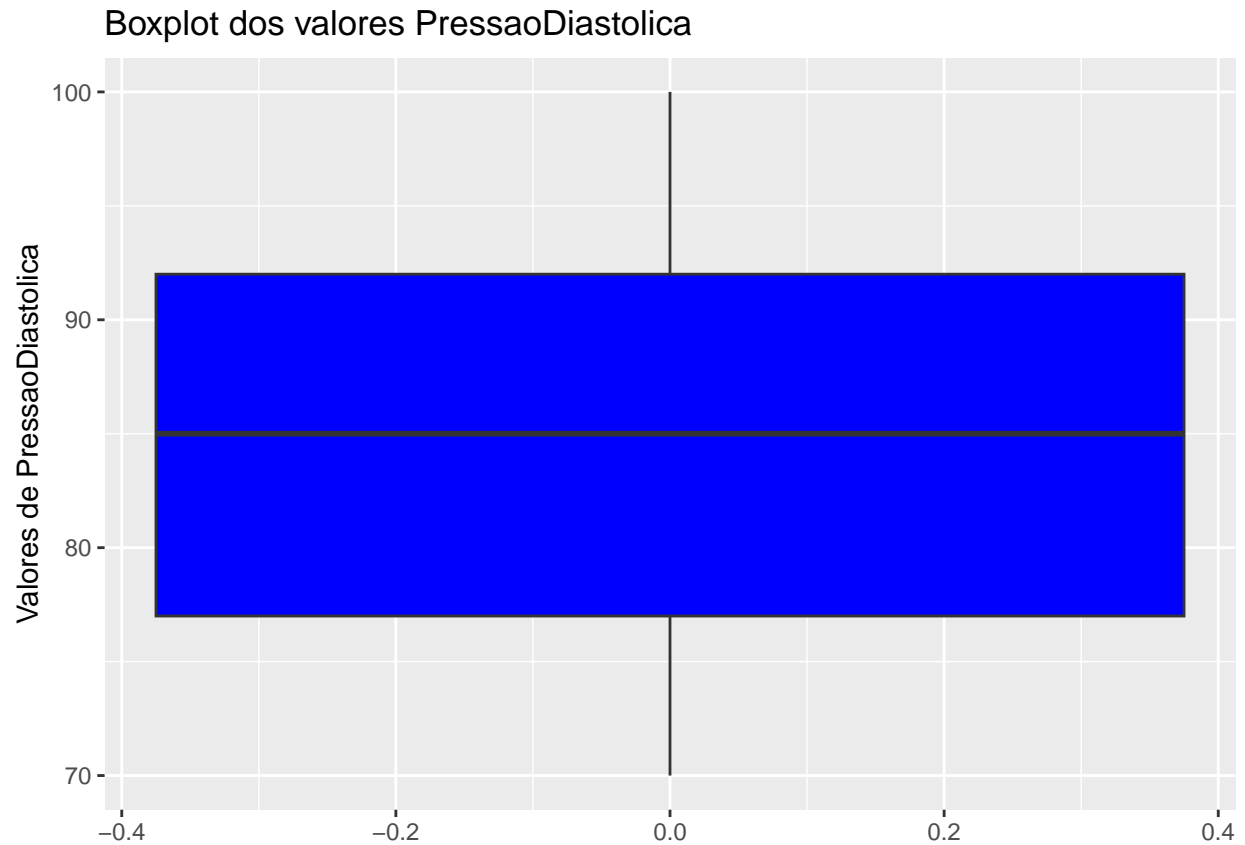
### Boxplot dos valores Glicose

```
boxplot_Glicose <- ggplot(df, aes(y = Glicose)) +  
  geom_boxplot(fill = "red") +  
  labs(title = "Boxplot dos valores Glicose", y = "Valores de Glicose")  
print(boxplot_Glicose)
```



### Boxplot dos valores PressaoDiastolica

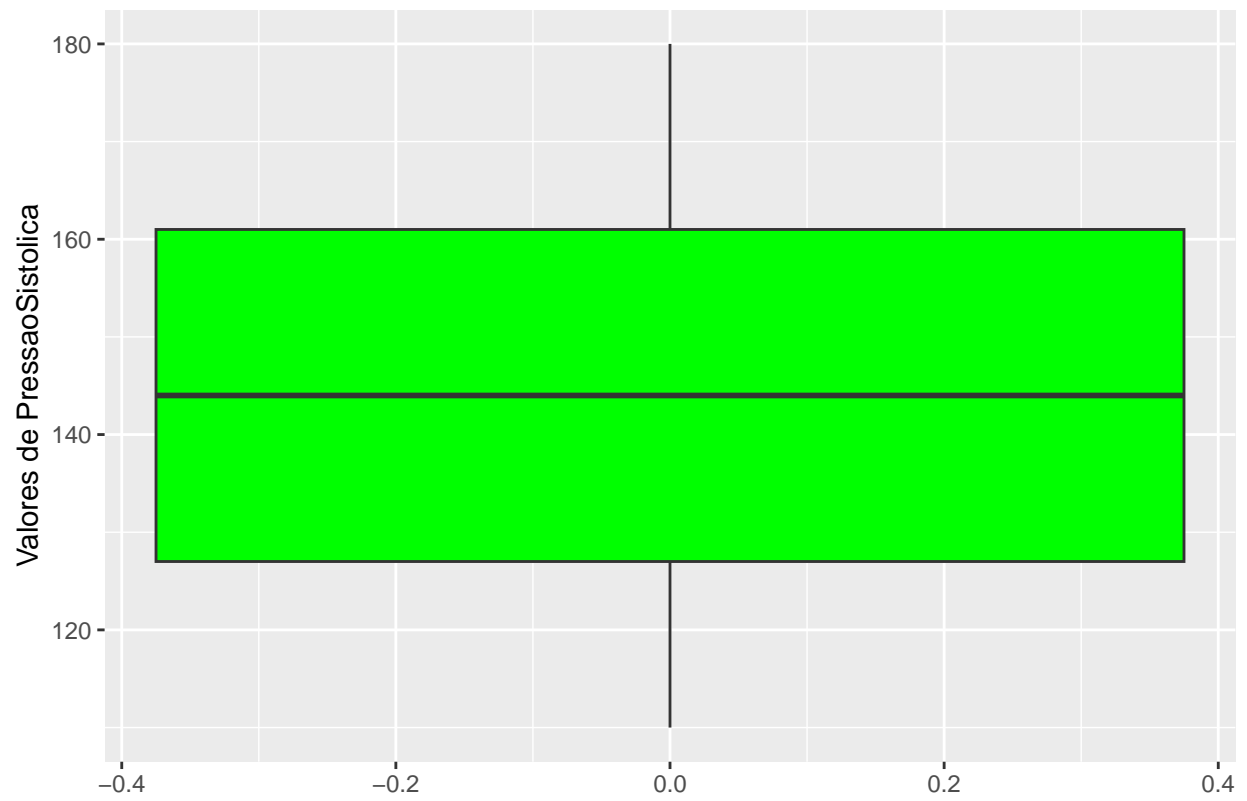
```
boxplot_PressaoDiastolica <- ggplot(df, aes(y = PressaoDiastolica)) +  
  geom_boxplot(fill = "blue") +  
  labs(title = "Boxplot dos valores PressaoDiastolica", y = "Valores de PressaoDiastolica")  
print(boxplot_PressaoDiastolica)
```



### Boxplot dos valores PressaoSistolica

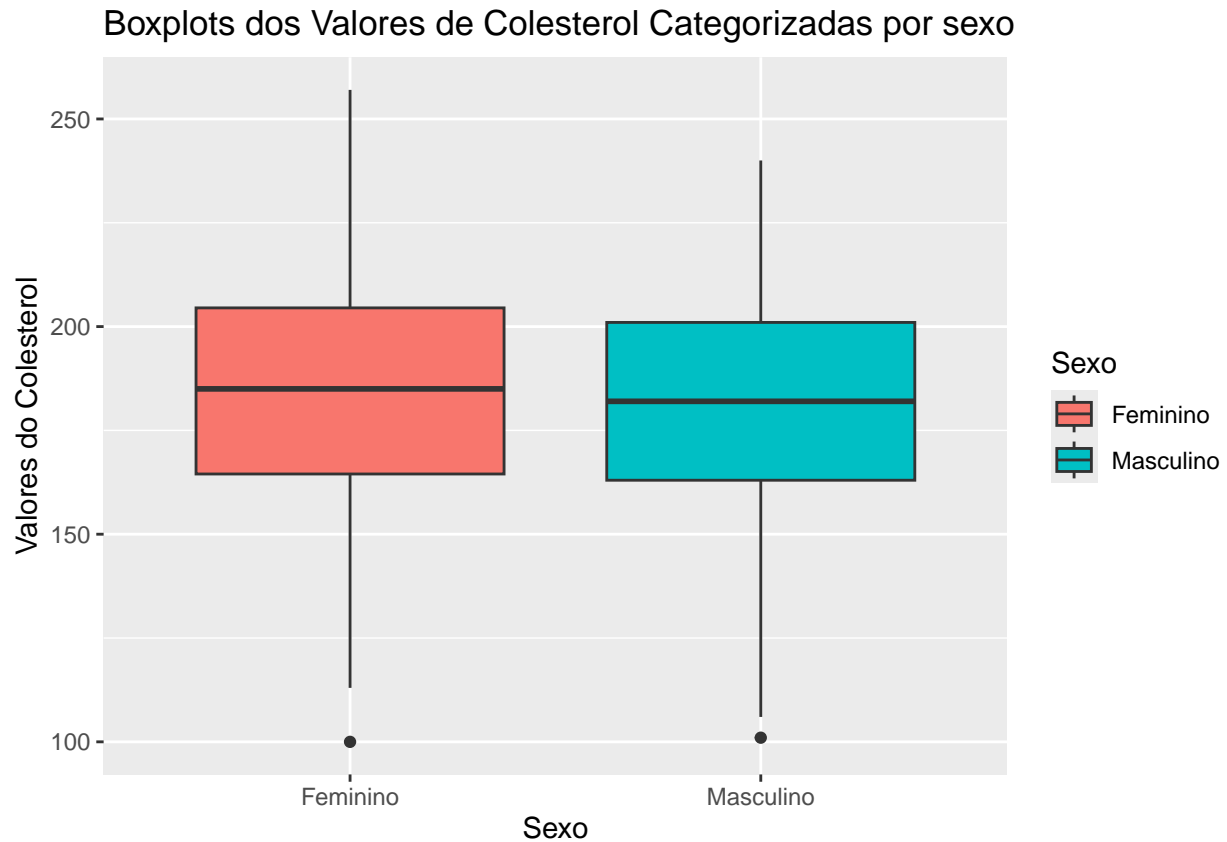
```
boxplot_PressaoSistolica <- ggplot(df, aes(y = PressaoSistolica)) +  
  geom_boxplot(fill = "green") +  
  labs(title = "Boxplot dos valores PressaoSistolica", y = "Valores de PressaoSistolica")  
print(boxplot_PressaoSistolica)
```

Boxplot dos valores PressaoSistolica



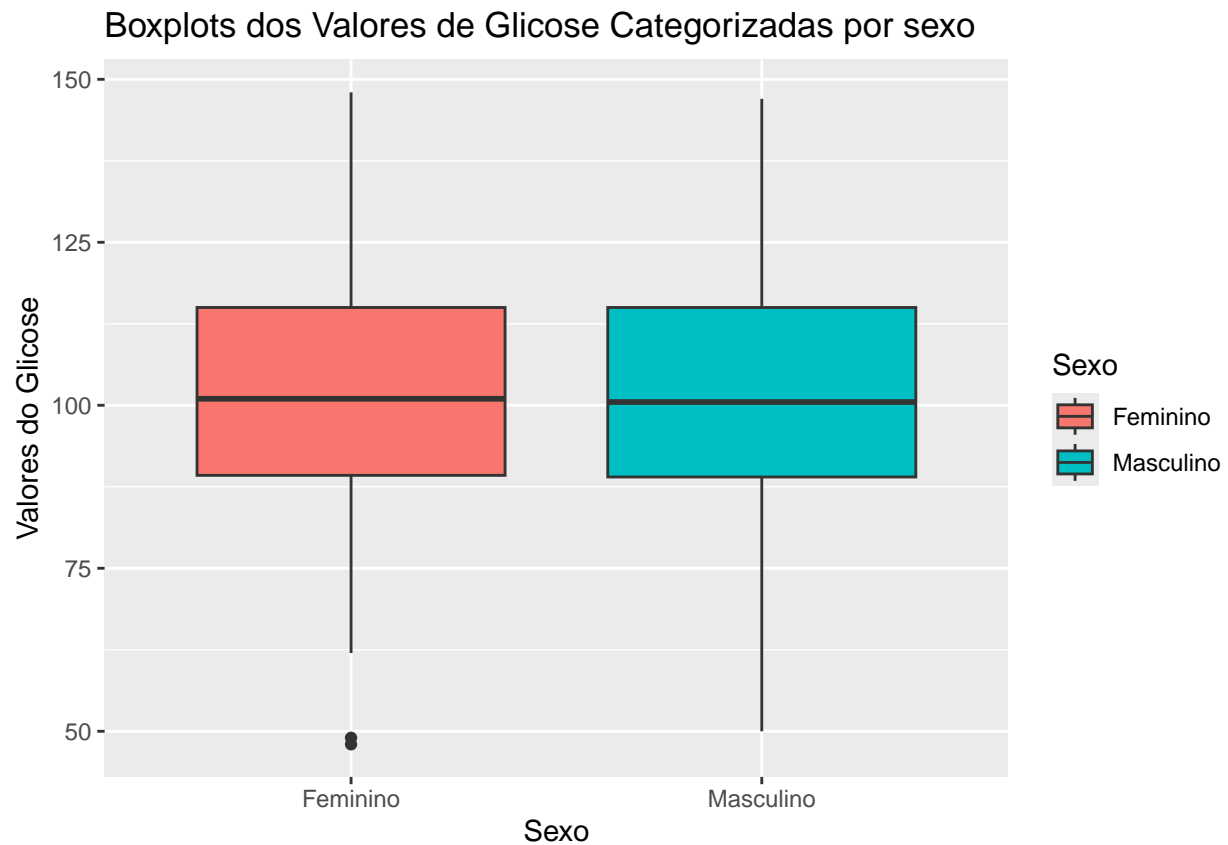
### Boxplots das valores de Colesterol categorizadas por sexo

```
boxplot_country_cholesterol <- ggplot(data_patient, aes(x = Sexo, y = Colesterol, fill = Sexo)) +  
  geom_boxplot() +  
  labs(title = "Boxplots dos Valores de Colesterol Categorizadas por sexo", x = "Sexo", y = "Valores do  
print(boxplot_country_cholesterol)
```



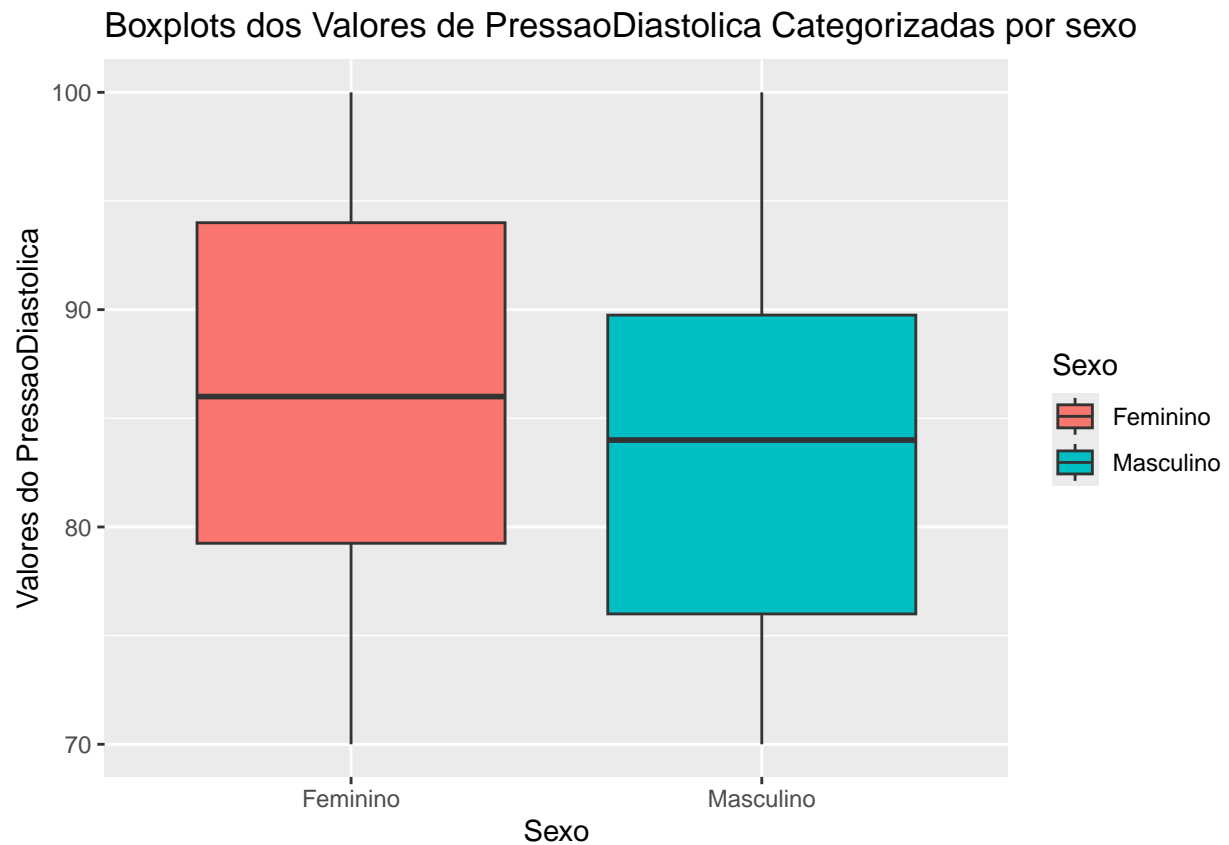
Boxplots das valores de Glicose categorizadas por sexo

```
boxplot_country_glicose <- ggplot(data_patient, aes(x = Sexo, y = Glicose, fill = Sexo)) +  
  geom_boxplot() +  
  labs(title = "Boxplots dos Valores de Glicose Categorizadas por sexo", x = "Sexo", y = "Valores do Gl.  
print(boxplot_country_glicose)
```



Boxplots das valores de PressaoDiastolica categorizadas por sexo

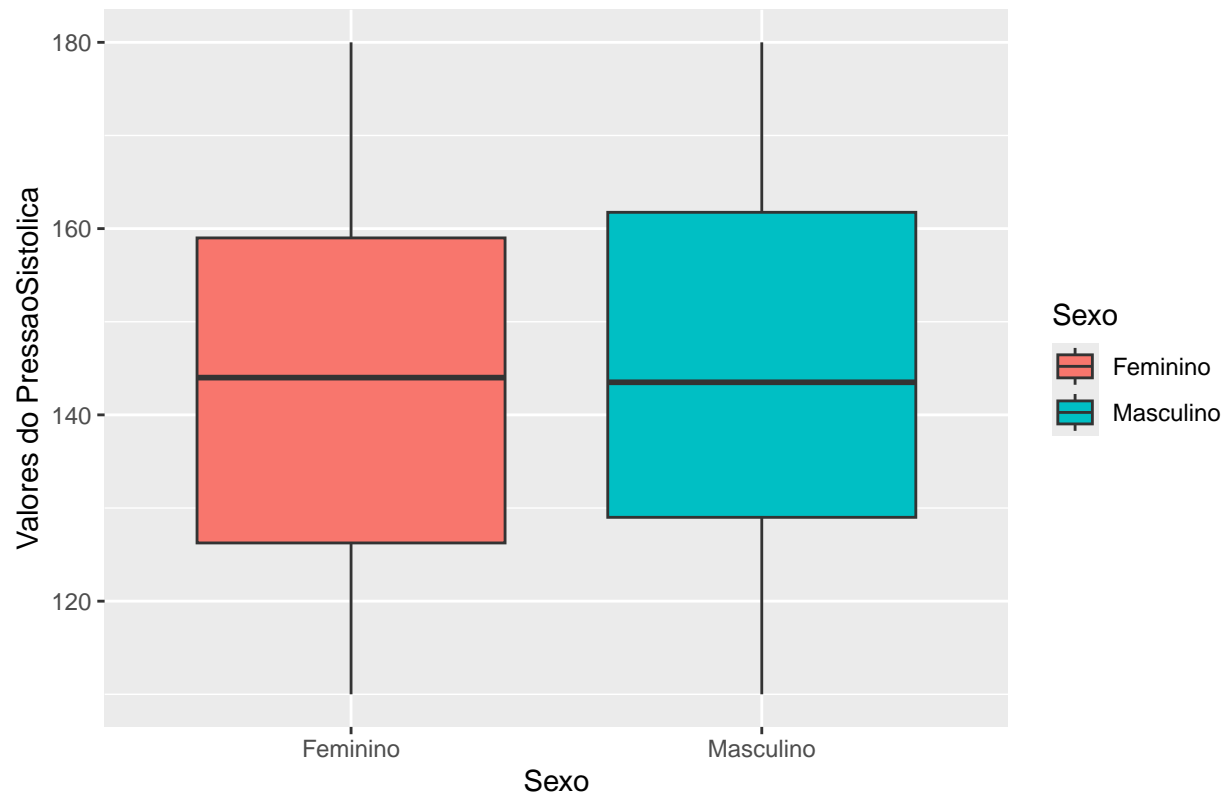
```
boxplot_country_pressaoDiastolica <- ggplot(data_patient, aes(x = Sexo, y = PressaoDiastolica, fill = Sexo)) +
  geom_boxplot() +
  labs(title = "Boxplots dos Valores de PressaoDiastolica Categorizadas por sexo", x = "Sexo", y = "Valores de PressaoDiastolica")
print(boxplot_country_pressaoDiastolica)
```



Boxplots das valores de PressaoSistolica categorizadas por sexo

```
boxplot_country_pressaoSistolica <- ggplot(data_patient, aes(x = Sexo, y = PressaoSistolica, fill = Sexo)) +  
  geom_boxplot() +  
  labs(title = "Boxplots dos Valores de PressaoSistolica Categorizadas por sexo", x = "Sexo", y = "Valores de PressaoSistolica")  
print(boxplot_country_pressaoSistolica)
```

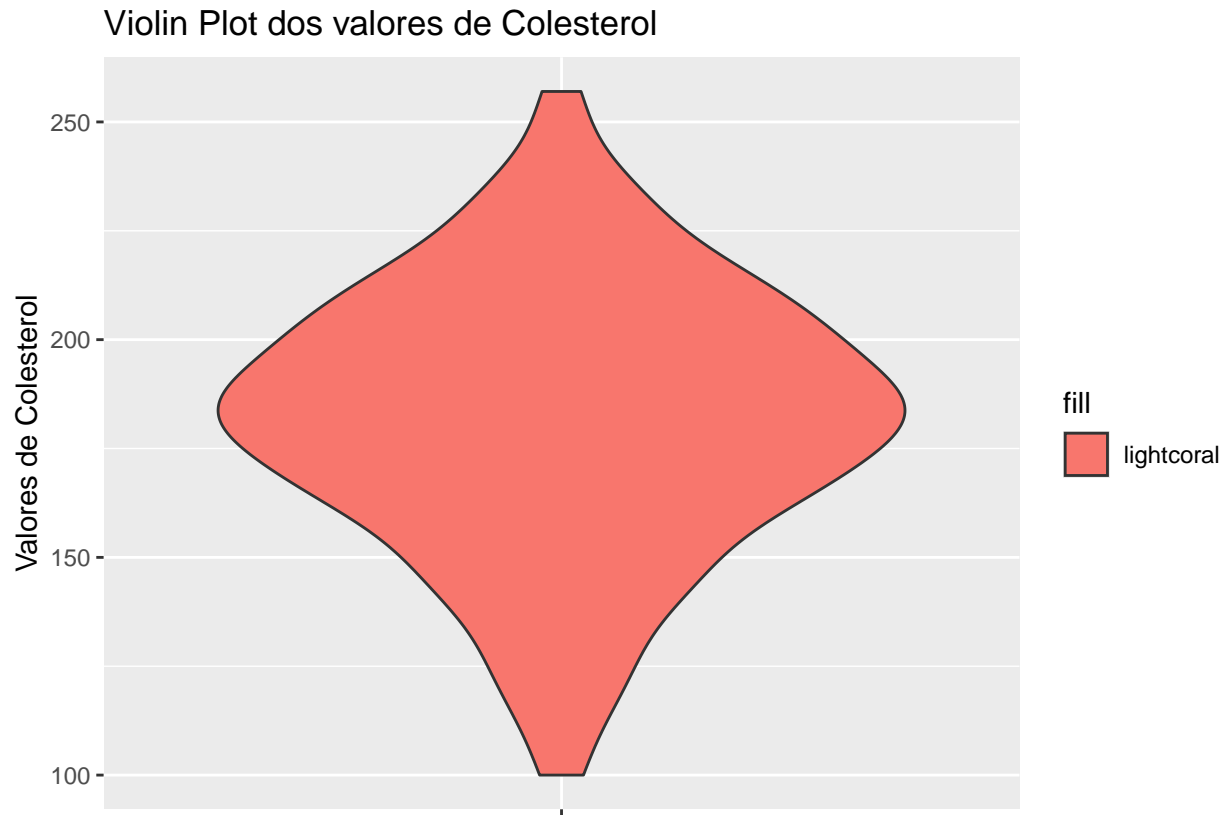
Boxplots dos Valores de PressaoSistolica Categorizadas por sexo





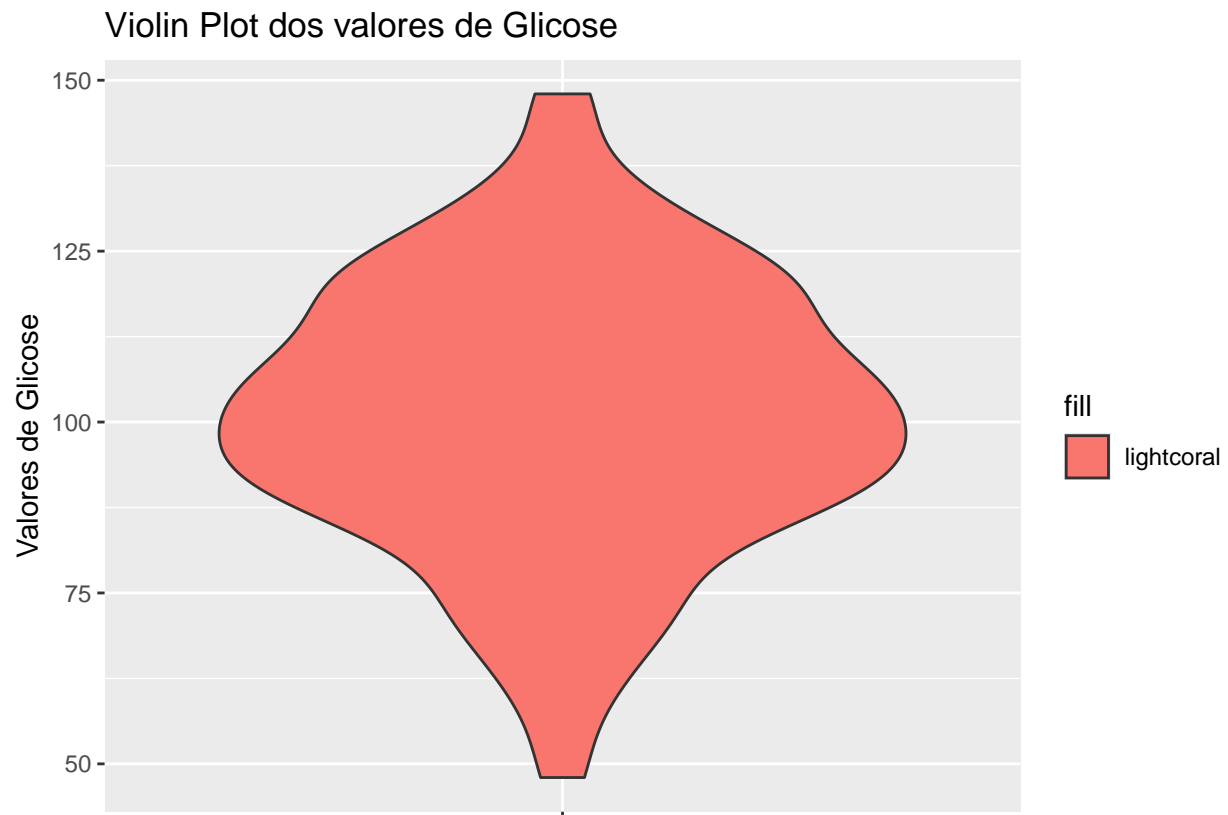
### Violin Plot dos valores de Colesterol

```
violinplot_cholesterol <- ggplot(data_patient, aes(x = "", y = Colesterol, fill = "lightcoral")) +  
  geom_violin() +  
  labs(title = "Violin Plot dos valores de Colesterol", x = NULL, y = "Valores de Colesterol")  
print(violinplot_cholesterol)
```



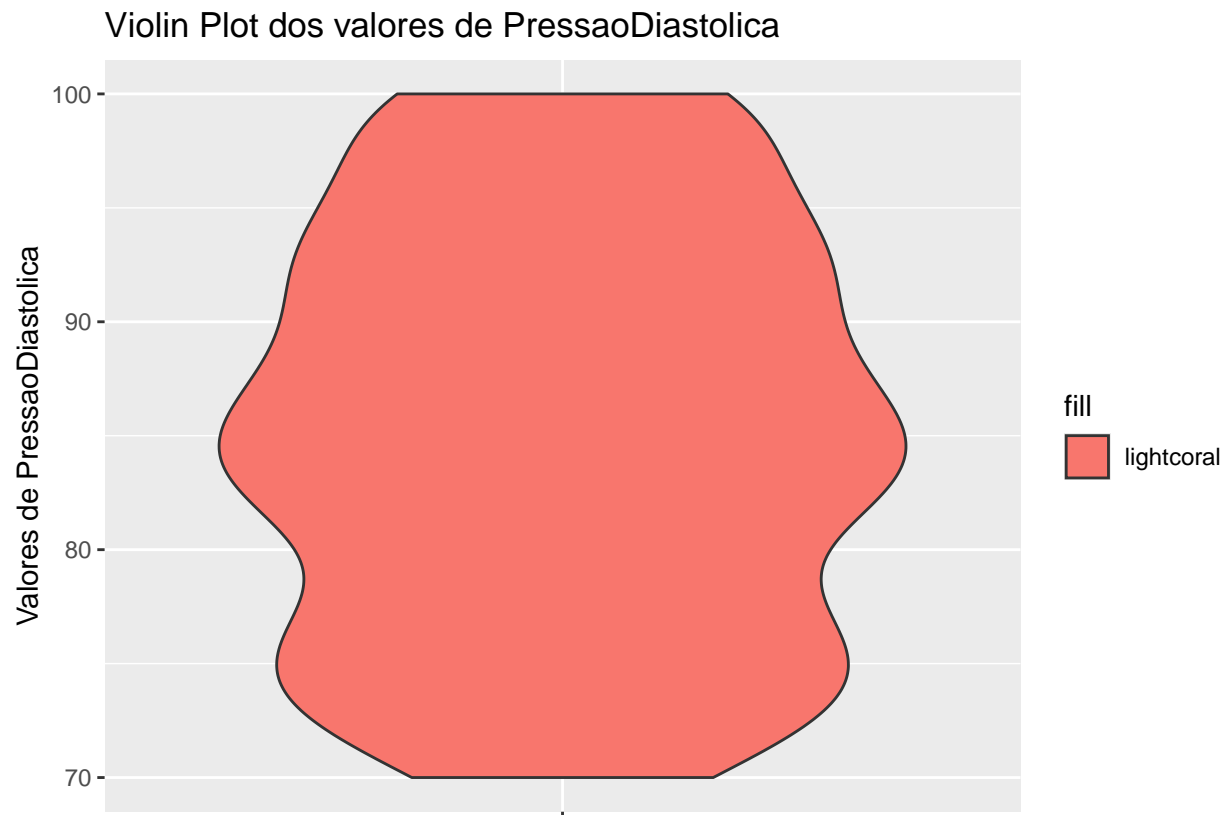
Violin Plot dos valores de Glicose

```
violinplot_cholesterol <- ggplot(data_patient, aes(x = "", y = Glicose, fill = "lightcoral")) +  
  geom_violin() +  
  labs(title = "Violin Plot dos valores de Glicose", x = NULL, y = "Valores de Glicose")  
print(violinplot_cholesterol)
```



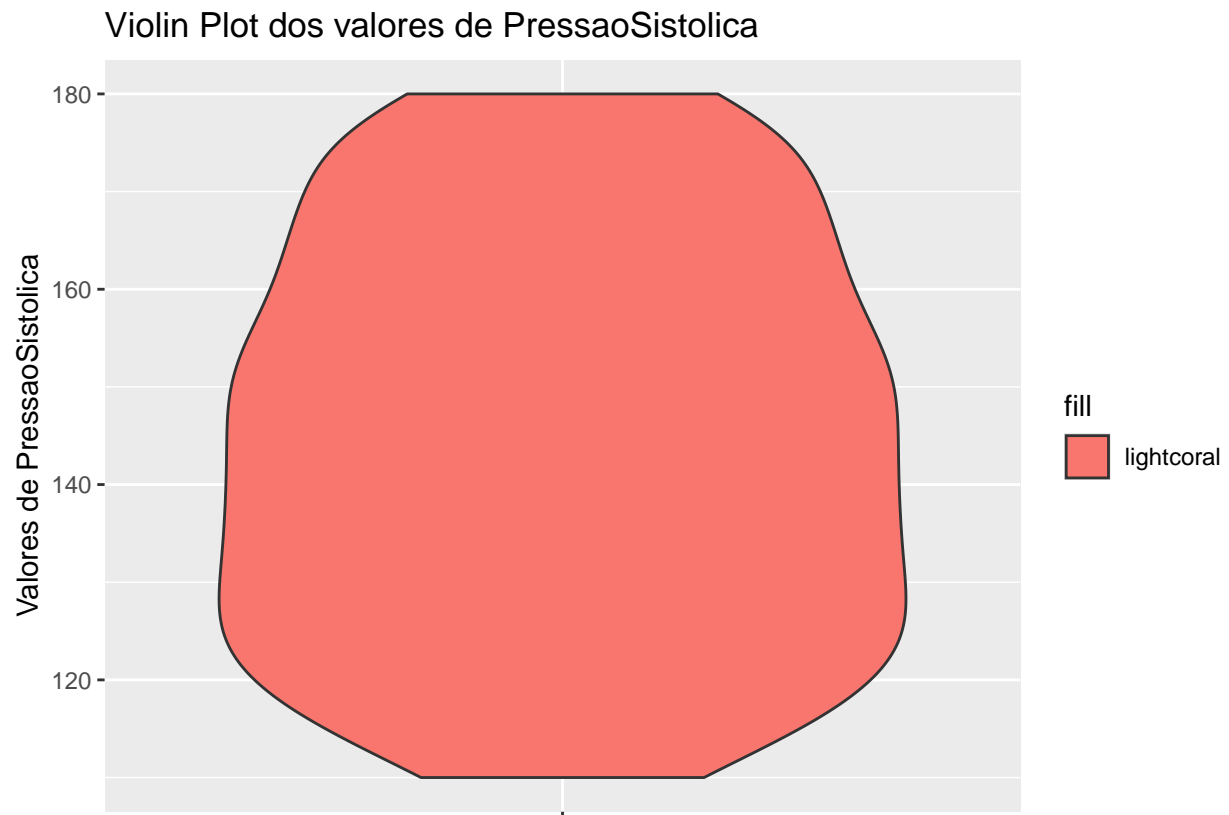
### Violin Plot dos valores de PressaoDiastolica

```
violinplot_cholesterol <- ggplot(data_patient, aes(x = "", y = PressaoDiastolica, fill = "lightcoral")) +  
  geom_violin() +  
  labs(title = "Violin Plot dos valores de PressaoDiastolica", x = NULL, y = "Valores de PressaoDiastolica")  
print(violinplot_cholesterol)
```



### Violin Plot dos valores de PressaoSistolica

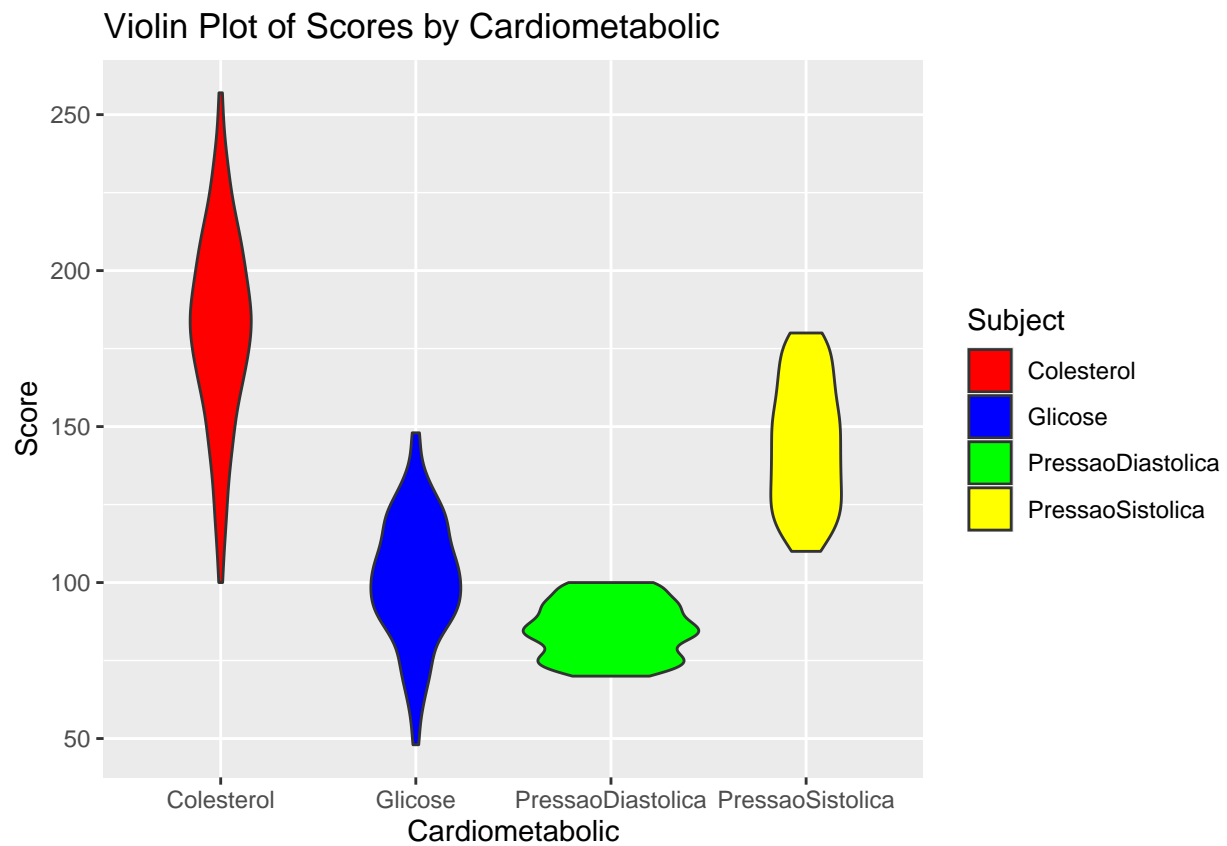
```
violinplot_cholesterol <- ggplot(data_patient, aes(x = "", y = PressaoSistolica, fill = "lightcoral")) +  
  geom_violin() +  
  labs(title = "Violin Plot dos valores de PressaoSistolica", x = NULL, y = "Valores de PressaoSistolica")  
print(violinplot_cholesterol)
```



```
library(tidyr)
# Reshape the data into longer format
data_long <- pivot_longer(data_patient, cols = colnames(df) , names_to = "Subject", values_to = "Score")

# Create the violin plot
violin_plot <- ggplot(data_long, aes(x = Subject, y = Score, fill = Subject)) +
  geom_violin() +
  labs(title = "Violin Plot of Scores by Cardiometabolic", x = "Cardiometabolic", y = "Score") +
  scale_fill_manual(values = c("red", "blue", "green", "yellow")) # Custom fill colors for violin plots

# Print the violin plot
print(violin_plot)
```



### ### Estatísticas Descritivas agrupadas por sexo

```
descriptive_stats_sexo <- aggregate(cbind(Colesterol,Glicose,PressaoDiastolica,PressaoSistolica) ~ Sexo,
print(descriptive_stats_sexo)
```

```
##      Sexo Colesterol.Média Colesterol.Mediana Colesterol.SD Colesterol.Mínimo
## 1 Feminino      183.00000      185.00000      32.96323      100.00000
## 2 Masculino      179.96939      182.00000      28.72100      101.00000
##      Colesterol.Máximo Glicose.Média Glicose.Mediana Glicose.SD Glicose.Mínimo
## 1          257.00000      100.88235      101.00000      20.07673      48.00000
## 2          240.00000      100.81633      100.50000      19.95063      50.00000
##      Glicose.Máximo PressaoDiastolica.Média PressaoDiastolica.Mediana
## 1          148.00000          86.333333          86.000000
## 2          147.00000          83.653061          84.000000
##      PressaoDiastolica.SD PressaoDiastolica.Mínimo PressaoDiastolica.Máximo
## 1          8.657777          70.000000          100.000000
## 2          8.797964          70.000000          100.000000
##      PressaoSistolica.Média PressaoSistolica.Mediana PressaoSistolica.SD
## 1          144.21569          144.00000          19.84775
## 2          144.57143          143.50000          19.99020
##      PressaoSistolica.Mínimo PressaoSistolica.Máximo
## 1          110.00000          180.00000
## 2          110.00000          180.00000
```

### Estatísticas Descritivas agrupadas por idade

```
descriptive_stats_age <- aggregate(cbind(Colesterol,Glicose,PressaoDiastolica,PressaoSistolica) ~ Idade,
print(descriptive_stats_age)
```

```
##      Idade Colesterol.Média Colesterol.Mediana Colesterol.SD Colesterol.Mínimo
## 1      18      190.5000000      190.5000000      13.4350288      181.0000000
## 2      21      184.5000000      184.5000000      20.5060967      170.0000000
## 3      22      200.5000000      200.5000000       6.3639610      196.0000000
## 4      23      215.2500000      214.0000000      18.5898718      194.0000000
## 5      24      176.3333333      181.0000000      34.2162242      101.0000000
## 6      25      155.6666667      157.0000000       8.0829038      147.0000000
## 7      26      184.8000000      176.0000000      21.4056067      163.0000000
## 8      27      220.0000000      220.0000000      45.2548340      188.0000000
## 9      28      150.0000000      150.0000000      18.3847763      137.0000000
## 10     29      206.0000000      206.0000000          NA      206.0000000
## 11     30      191.0000000      191.0000000      41.0121933      162.0000000
## 12     31      181.6000000      181.0000000      31.5166623      143.0000000
## 13     32      236.0000000      236.0000000          NA      236.0000000
## 14     33      182.2500000      189.0000000      23.8240075      148.0000000
## 15     34      165.0000000      174.0000000      41.2431813      120.0000000
## 16     35      232.0000000      232.0000000          NA      232.0000000
## 17     37      179.5000000      179.5000000      20.5060967      165.0000000
## 18     38      171.5000000      171.5000000       7.7781746      166.0000000
## 19     39      159.5000000      159.5000000       2.1213203      158.0000000
## 20     40      159.2000000      157.0000000      45.0022222      106.0000000
## 21     41      185.2500000      194.0000000      22.4703508      152.0000000
```

## 22	42	182.5714286	181.0000000	15.0206207	168.0000000	
## 23	43	193.5000000	187.0000000	41.4330786	131.0000000	
## 24	44	179.7500000	187.0000000	18.7327699	152.0000000	
## 25	46	163.5000000	163.5000000	3.5355339	161.0000000	
## 26	47	186.0000000	185.0000000	12.5299641	174.0000000	
## 27	48	186.0000000	182.0000000	18.8015957	164.0000000	
## 28	49	178.6666667	176.5000000	33.2365261	139.0000000	
## 29	50	184.3333333	171.0000000	29.3655127	164.0000000	
## 30	51	209.5000000	209.5000000	44.5477272	178.0000000	
## 31	52	165.0000000	187.0000000	40.7308237	118.0000000	
## 32	53	184.2500000	183.5000000	46.8926078	130.0000000	
## 33	54	141.5000000	141.5000000	58.6898628	100.0000000	
## 34	55	209.0000000	209.0000000	11.3137085	201.0000000	
## 35	56	182.0000000	180.0000000	17.0880075	166.0000000	
## 36	57	176.7500000	186.5000000	25.4869248	139.0000000	
## 37	58	174.6666667	159.0000000	42.7122153	142.0000000	
## 38	59	203.2000000	207.0000000	12.6767504	182.0000000	
## 39	60	177.0000000	177.0000000	7.0710678	172.0000000	
## 40	61	161.0000000	161.0000000	NA	161.0000000	
## 41	62	172.3333333	185.0000000	37.6342043	130.0000000	
## 42	63	191.7500000	194.0000000	19.1724629	169.0000000	
## 43	64	231.0000000	231.0000000	NA	231.0000000	
## 44	65	181.3333333	173.0000000	36.2261416	150.0000000	
## 45	66	115.0000000	115.0000000	NA	115.0000000	
## 46	67	189.3333333	192.0000000	13.2035349	175.0000000	
## 47	68	172.0000000	172.0000000	29.6984848	151.0000000	
## 48	69	175.0000000	190.0000000	26.8514432	144.0000000	
## 49	70	155.6666667	167.0000000	31.5647483	120.0000000	
## 50	71	202.8000000	205.0000000	32.2521317	153.0000000	
## 51	72	231.3333333	225.0000000	19.2959409	216.0000000	
## 52	73	184.0000000	184.0000000	NA	184.0000000	
## 53	74	203.2500000	213.0000000	31.0952837	158.0000000	
## 54	75	175.5000000	175.5000000	2.1213203	174.0000000	
## 55	76	155.0000000	155.0000000	NA	155.0000000	
## 56	77	157.6666667	148.0000000	45.2806066	118.0000000	
## 57	78	166.5000000	166.5000000	37.4766594	140.0000000	
## 58	79	167.0000000	167.0000000	NA	167.0000000	
## 59	80	174.0000000	163.0000000	52.3736575	128.0000000	
## 60	81	208.5000000	208.5000000	0.7071068	208.0000000	
## 61	83	174.0000000	174.0000000	45.2548340	142.0000000	
## 62	84	151.3333333	146.0000000	24.4404037	130.0000000	
## 63	85	126.0000000	126.0000000	NA	126.0000000	
## 64	86	195.3333333	187.0000000	20.7926269	180.0000000	
## 65	87	176.0000000	176.0000000	2.8284271	174.0000000	
## 66	88	172.0000000	172.0000000	10.0000000	162.0000000	
## 67	89	174.6000000	185.0000000	30.1380159	140.0000000	
## 68	90	113.0000000	113.0000000	NA	113.0000000	
##	Colesterol.Máximo Glicose.Média Glicose.Mediana Glicose.SD Glicose.Minimo					
## 1		200.0000000	111.0000000	111.0000000	28.284271	91.0000000
## 2		199.0000000	92.5000000	92.5000000	14.849242	82.0000000
## 3		205.0000000	96.0000000	96.0000000	32.526912	73.0000000
## 4		239.0000000	109.0000000	105.5000000	14.899664	95.0000000
## 5		212.0000000	109.0000000	115.0000000	16.462078	75.0000000
## 6		163.0000000	110.0000000	94.0000000	33.045423	88.0000000

## 7	217.0000000	108.800000	101.000000	35.009999	62.000000
## 8	252.0000000	107.500000	107.500000	23.334524	91.000000
## 9	163.0000000	79.000000	79.000000	29.698485	58.000000
## 10	206.0000000	74.000000	74.000000	NA	74.000000
## 11	220.0000000	107.000000	107.000000	25.455844	89.000000
## 12	230.0000000	98.000000	110.000000	25.602734	70.000000
## 13	236.0000000	81.000000	81.000000	NA	81.000000
## 14	203.0000000	117.750000	116.000000	22.111460	93.000000
## 15	201.0000000	99.666667	99.000000	8.020806	92.000000
## 16	232.0000000	112.000000	112.000000	NA	112.000000
## 17	194.0000000	72.500000	72.500000	31.819805	50.000000
## 18	177.0000000	68.000000	68.000000	2.828427	66.000000
## 19	161.0000000	96.500000	96.500000	13.435029	87.000000
## 20	217.0000000	114.400000	113.000000	13.371612	98.000000
## 21	201.0000000	81.750000	82.500000	24.757154	57.000000
## 22	211.0000000	98.857143	102.000000	14.229413	77.000000
## 23	257.0000000	99.000000	96.000000	18.547237	72.000000
## 24	193.0000000	96.000000	95.500000	9.486833	85.000000
## 25	166.0000000	116.000000	116.000000	8.485281	110.000000
## 26	199.0000000	111.666667	118.000000	15.502688	94.000000
## 27	214.0000000	89.800000	96.000000	20.813457	60.000000
## 28	226.0000000	114.166667	116.000000	10.008330	99.000000
## 29	218.0000000	105.000000	120.000000	51.176166	48.000000
## 30	241.0000000	122.500000	122.500000	2.121320	121.000000
## 31	190.0000000	109.333333	105.000000	20.840665	91.000000
## 32	240.0000000	100.750000	91.500000	20.934421	88.000000
## 33	183.0000000	90.500000	90.500000	6.363961	86.000000
## 34	217.0000000	105.000000	105.000000	18.384776	92.000000
## 35	200.0000000	89.666667	85.000000	9.865766	83.000000
## 36	195.0000000	105.000000	112.500000	29.337121	64.000000
## 37	223.0000000	87.666667	93.000000	9.237604	77.000000
## 38	214.0000000	91.800000	89.000000	9.203260	82.000000
## 39	182.0000000	92.000000	92.000000	9.899495	85.000000
## 40	161.0000000	87.000000	87.000000	NA	87.000000
## 41	202.0000000	103.000000	103.000000	3.000000	100.000000
## 42	210.0000000	100.250000	99.500000	11.586630	89.000000
## 43	231.0000000	98.000000	98.000000	NA	98.000000
## 44	221.0000000	81.000000	79.000000	33.045423	49.000000
## 45	115.0000000	100.000000	100.000000	NA	100.000000
## 46	201.0000000	100.666667	103.000000	14.640128	85.000000
## 47	193.0000000	87.000000	87.000000	2.828427	85.000000
## 48	191.0000000	111.333333	119.000000	18.717194	90.000000
## 49	180.0000000	101.000000	107.000000	26.514147	72.000000
## 50	233.0000000	107.800000	110.000000	22.465529	75.000000
## 51	253.0000000	115.333333	123.000000	13.279056	100.000000
## 52	184.0000000	108.000000	108.000000	NA	108.000000
## 53	229.0000000	98.250000	95.500000	12.658989	86.000000
## 54	177.0000000	99.000000	99.000000	45.254834	67.000000
## 55	155.0000000	130.000000	130.000000	NA	130.000000
## 56	207.0000000	107.000000	109.000000	6.244998	100.000000
## 57	193.0000000	107.000000	107.000000	4.242641	104.000000
## 58	167.0000000	107.000000	107.000000	NA	107.000000
## 59	231.0000000	93.666667	94.000000	11.503623	82.000000
## 60	209.0000000	90.000000	90.000000	15.556349	79.000000



## 61	206.0000000	120.000000	120.000000	9.899495	113.000000
## 62	178.0000000	92.000000	96.000000	26.229754	64.000000
## 63	126.0000000	97.000000	97.000000	NA	97.000000
## 64	219.0000000	97.666667	100.000000	8.736895	88.000000
## 65	178.0000000	117.500000	117.500000	17.677670	105.000000
## 66	182.0000000	92.666667	90.000000	22.120880	72.000000
## 67	203.0000000	93.800000	92.000000	25.839892	71.000000
## 68	113.0000000	89.000000	89.000000	NA	89.000000
##	Glicose.Máximo	PressaoDiastolica.Média	PressaoDiastolica.Mediana		
## 1	131.000000	84.5000000	84.5000000		
## 2	103.000000	92.0000000	92.0000000		
## 3	119.000000	79.5000000	79.5000000		
## 4	130.000000	81.0000000	82.5000000		
## 5	124.000000	84.8888889	88.0000000		
## 6	148.000000	90.0000000	93.0000000		
## 7	147.000000	78.8000000	83.0000000		
## 8	124.000000	78.0000000	78.0000000		
## 9	100.000000	81.0000000	81.0000000		
## 10	74.000000	77.0000000	77.0000000		
## 11	125.000000	92.0000000	92.0000000		
## 12	124.000000	84.6000000	87.0000000		
## 13	81.000000	75.0000000	75.0000000		
## 14	146.000000	81.2500000	81.0000000		
## 15	108.000000	84.3333333	83.0000000		
## 16	112.000000	88.0000000	88.0000000		
## 17	95.000000	81.0000000	81.0000000		
## 18	70.000000	77.0000000	77.0000000		
## 19	106.000000	76.5000000	76.5000000		
## 20	133.000000	90.8000000	94.0000000		
## 21	105.000000	85.5000000	84.0000000		
## 22	119.000000	78.7142857	77.0000000		
## 23	122.000000	86.5000000	87.0000000		
## 24	108.000000	78.5000000	78.5000000		
## 25	122.000000	95.0000000	95.0000000		
## 26	123.000000	86.6666667	84.0000000		
## 27	112.000000	83.8000000	85.0000000		
## 28	125.000000	92.0000000	92.5000000		
## 29	147.000000	89.3333333	94.0000000		
## 30	124.000000	90.5000000	90.5000000		
## 31	132.000000	78.6666667	82.0000000		
## 32	132.000000	87.5000000	83.5000000		
## 33	95.000000	88.5000000	88.5000000		
## 34	118.000000	97.5000000	97.5000000		
## 35	101.000000	90.6666667	91.0000000		
## 36	131.000000	82.7500000	83.5000000		
## 37	93.000000	79.0000000	74.0000000		
## 38	106.000000	86.8000000	87.0000000		
## 39	99.000000	87.5000000	87.5000000		
## 40	87.000000	84.0000000	84.0000000		
## 41	106.000000	83.0000000	87.0000000		
## 42	113.000000	88.7500000	92.0000000		
## 43	98.000000	74.0000000	74.0000000		
## 44	115.000000	77.6666667	77.0000000		
## 45	100.000000	92.0000000	92.0000000		

## 46	114.000000	81.6666667	76.0000000
## 47	89.000000	89.0000000	89.0000000
## 48	125.000000	86.3333333	85.0000000
## 49	124.000000	88.6666667	84.0000000
## 50	137.000000	85.0000000	88.0000000
## 51	123.000000	89.0000000	86.0000000
## 52	108.000000	99.0000000	99.0000000
## 53	116.000000	88.2500000	87.5000000
## 54	131.000000	82.0000000	82.0000000
## 55	130.000000	83.0000000	83.0000000
## 56	112.000000	78.0000000	76.0000000
## 57	110.000000	78.0000000	78.0000000
## 58	107.000000	72.0000000	72.0000000
## 59	105.000000	92.0000000	95.0000000
## 60	101.000000	91.0000000	91.0000000
## 61	127.000000	83.5000000	83.5000000
## 62	116.000000	85.6666667	84.0000000
## 63	97.000000	84.0000000	84.0000000
## 64	105.000000	90.3333333	93.0000000
## 65	130.000000	77.0000000	77.0000000
## 66	116.000000	87.6666667	92.0000000
## 67	135.000000	89.2000000	94.0000000
## 68	89.000000	83.0000000	83.0000000
##	PressaoDiastolica.SD	PressaoDiastolica.Mínimo	PressaoDiastolica.Máximo
## 1	10.6066017	77.0000000	92.0000000
## 2	7.0710678	87.0000000	97.0000000
## 3	7.7781746	74.0000000	85.0000000
## 4	5.9441848	73.0000000	86.0000000
## 5	10.1420467	70.0000000	100.0000000
## 6	11.7898261	77.0000000	100.0000000
## 7	6.7230945	71.0000000	85.0000000
## 8	5.6568542	74.0000000	82.0000000
## 9	15.5563492	70.0000000	92.0000000
## 10	NA	77.0000000	77.0000000
## 11	5.6568542	88.0000000	96.0000000
## 12	9.6332757	73.0000000	97.0000000
## 13	NA	75.0000000	75.0000000
## 14	10.3077641	71.0000000	92.0000000
## 15	3.2145503	82.0000000	88.0000000
## 16	NA	88.0000000	88.0000000
## 17	5.6568542	77.0000000	85.0000000
## 18	8.4852814	71.0000000	83.0000000
## 19	9.1923882	70.0000000	83.0000000
## 20	11.0090872	74.0000000	100.0000000
## 21	3.7859389	83.0000000	91.0000000
## 22	6.3170216	72.0000000	88.0000000
## 23	11.8617031	74.0000000	100.0000000
## 24	6.4549722	72.0000000	85.0000000
## 25	2.8284271	93.0000000	97.0000000
## 26	12.2202019	76.0000000	100.0000000
## 27	12.2759928	71.0000000	99.0000000
## 28	6.9570109	81.0000000	100.0000000
## 29	8.9628864	79.0000000	95.0000000
## 30	0.7071068	90.0000000	91.0000000

## 31	5.7735027	72.0000000	82.0000000
## 32	8.3466560	83.0000000	100.0000000
## 33	13.4350288	79.0000000	98.0000000
## 34	2.1213203	96.0000000	99.0000000
## 35	1.5275252	89.0000000	92.0000000
## 36	3.5939764	78.0000000	86.0000000
## 37	10.4403065	72.0000000	91.0000000
## 38	10.4019229	75.0000000	99.0000000
## 39	10.6066017	80.0000000	95.0000000
## 40	NA	84.0000000	84.0000000
## 41	7.8102497	74.0000000	88.0000000
## 42	8.7702147	76.0000000	95.0000000
## 43	NA	74.0000000	74.0000000
## 44	4.0414519	74.0000000	82.0000000
## 45	NA	92.0000000	92.0000000
## 46	9.8149546	76.0000000	93.0000000
## 47	4.2426407	86.0000000	92.0000000
## 48	12.0554275	75.0000000	99.0000000
## 49	8.9628864	83.0000000	99.0000000
## 50	7.9686887	76.0000000	93.0000000
## 51	9.8488578	81.0000000	100.0000000
## 52	NA	99.0000000	99.0000000
## 53	10.4682058	78.0000000	100.0000000
## 54	9.8994949	75.0000000	89.0000000
## 55	NA	83.0000000	83.0000000
## 56	9.1651514	70.0000000	88.0000000
## 57	11.3137085	70.0000000	86.0000000
## 58	NA	72.0000000	72.0000000
## 59	7.0000000	84.0000000	97.0000000
## 60	5.6568542	87.0000000	95.0000000
## 61	3.5355339	81.0000000	86.0000000
## 62	5.6862407	81.0000000	92.0000000
## 63	NA	84.0000000	84.0000000
## 64	11.2398102	78.0000000	100.0000000
## 65	1.4142136	76.0000000	78.0000000
## 66	14.0118997	72.0000000	99.0000000
## 67	9.2574294	77.0000000	99.0000000
## 68	NA	83.0000000	83.0000000
##	PressaoSistolica.Média	PressaoSistolica.Mediana	PressaoSistolica.SD
## 1	151.0000000	151.0000000	4.2426407
## 2	165.0000000	165.0000000	19.7989899
## 3	176.5000000	176.5000000	0.7071068
## 4	139.5000000	134.0000000	29.8272806
## 5	147.0000000	146.0000000	21.9317122
## 6	142.6666667	155.0000000	21.3619600
## 7	132.2000000	134.0000000	23.3388089
## 8	163.5000000	163.5000000	14.8492424
## 9	155.0000000	155.0000000	5.6568542
## 10	136.0000000	136.0000000	NA
## 11	168.5000000	168.5000000	13.4350288
## 12	147.2000000	145.0000000	14.6184815
## 13	149.0000000	149.0000000	NA
## 14	158.2500000	160.0000000	7.9320027
## 15	129.0000000	125.0000000	14.4222051

## 16	119.0000000	119.0000000	NA
## 17	151.0000000	151.0000000	19.7989899
## 18	146.5000000	146.5000000	6.3639610
## 19	166.5000000	166.5000000	9.1923882
## 20	142.4000000	144.0000000	10.4067286
## 21	139.7500000	137.5000000	18.6971477
## 22	148.0000000	150.0000000	21.6948535
## 23	143.3333333	147.5000000	20.6559112
## 24	137.7500000	134.5000000	19.1027921
## 25	140.0000000	140.0000000	22.6274170
## 26	131.0000000	114.0000000	31.1929479
## 27	159.0000000	170.0000000	22.2485955
## 28	137.5000000	135.5000000	17.2133669
## 29	135.3333333	134.0000000	3.2145503
## 30	143.5000000	143.5000000	16.2634560
## 31	129.6666667	111.0000000	32.3316151
## 32	151.5000000	152.0000000	24.6914290
## 33	135.0000000	135.0000000	11.3137085
## 34	126.5000000	126.5000000	3.5355339
## 35	128.3333333	130.0000000	10.5987421
## 36	150.2500000	145.0000000	17.2506039
## 37	130.6666667	115.0000000	27.1354627
## 38	125.8000000	123.0000000	8.4083292
## 39	145.5000000	145.5000000	30.4055916
## 40	144.0000000	144.0000000	NA
## 41	133.6666667	122.0000000	20.2072594
## 42	136.0000000	131.0000000	23.7205958
## 43	172.0000000	172.0000000	NA
## 44	151.0000000	142.0000000	21.9317122
## 45	133.0000000	133.0000000	NA
## 46	135.0000000	134.0000000	9.5393920
## 47	143.0000000	143.0000000	35.3553391
## 48	143.3333333	134.0000000	26.2741952
## 49	151.0000000	163.0000000	21.6564078
## 50	149.8000000	152.0000000	23.9102488
## 51	146.6666667	146.0000000	21.0079350
## 52	153.0000000	153.0000000	NA
## 53	158.2500000	161.0000000	14.2214627
## 54	132.5000000	132.5000000	14.8492424
## 55	129.0000000	129.0000000	NA
## 56	156.6666667	150.0000000	20.8166600
## 57	151.0000000	151.0000000	9.8994949
## 58	174.0000000	174.0000000	NA
## 59	137.0000000	142.0000000	20.9523268
## 60	117.5000000	117.5000000	9.1923882
## 61	160.0000000	160.0000000	16.9705627
## 62	130.6666667	131.0000000	12.5033329
## 63	125.0000000	125.0000000	NA
## 64	150.0000000	152.0000000	26.0576284
## 65	150.5000000	150.5000000	36.0624458
## 66	140.0000000	151.0000000	20.8086520
## 67	158.6000000	161.0000000	16.0093723
## 68	158.0000000	158.0000000	NA
##	PressaoSistolica.Mínimo	PressaoSistolica.Máximo	

## 1	148.0000000	154.0000000
## 2	151.0000000	179.0000000
## 3	176.0000000	177.0000000
## 4	110.0000000	180.0000000
## 5	117.0000000	180.0000000
## 6	118.0000000	155.0000000
## 7	111.0000000	169.0000000
## 8	153.0000000	174.0000000
## 9	151.0000000	159.0000000
## 10	136.0000000	136.0000000
## 11	159.0000000	178.0000000
## 12	130.0000000	167.0000000
## 13	149.0000000	149.0000000
## 14	148.0000000	165.0000000
## 15	117.0000000	145.0000000
## 16	119.0000000	119.0000000
## 17	137.0000000	165.0000000
## 18	142.0000000	151.0000000
## 19	160.0000000	173.0000000
## 20	126.0000000	153.0000000
## 21	120.0000000	164.0000000
## 22	119.0000000	176.0000000
## 23	110.0000000	165.0000000
## 24	119.0000000	163.0000000
## 25	124.0000000	156.0000000
## 26	112.0000000	167.0000000
## 27	132.0000000	179.0000000
## 28	120.0000000	163.0000000
## 29	133.0000000	139.0000000
## 30	132.0000000	155.0000000
## 31	111.0000000	167.0000000
## 32	126.0000000	176.0000000
## 33	127.0000000	143.0000000
## 34	124.0000000	129.0000000
## 35	117.0000000	138.0000000
## 36	137.0000000	174.0000000
## 37	115.0000000	162.0000000
## 38	117.0000000	137.0000000
## 39	124.0000000	167.0000000
## 40	144.0000000	144.0000000
## 41	122.0000000	157.0000000
## 42	116.0000000	166.0000000
## 43	172.0000000	172.0000000
## 44	135.0000000	176.0000000
## 45	133.0000000	133.0000000
## 46	126.0000000	145.0000000
## 47	118.0000000	168.0000000
## 48	123.0000000	173.0000000
## 49	126.0000000	164.0000000
## 50	119.0000000	179.0000000
## 51	126.0000000	168.0000000
## 52	153.0000000	153.0000000
## 53	139.0000000	172.0000000
## 54	122.0000000	143.0000000

## 55	129.0000000	129.0000000
## 56	140.0000000	180.0000000
## 57	144.0000000	158.0000000
## 58	174.0000000	174.0000000
## 59	114.0000000	155.0000000
## 60	111.0000000	124.0000000
## 61	148.0000000	172.0000000
## 62	118.0000000	143.0000000
## 63	125.0000000	125.0000000
## 64	123.0000000	175.0000000
## 65	125.0000000	176.0000000
## 66	116.0000000	153.0000000
## 67	136.0000000	180.0000000
## 68	158.0000000	158.0000000