

# Análise Comparativa (TTests) Bairros

## Análise dos Bairros

### Agradável Geral

#### Catole x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.000114587931881114    two.sided"
## [1] "Welch Two Sample t-test  0.000120163479815907    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.999945564814282    less"
## [1] "Welch Two Sample t-test  0.999939918260092    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    5.7293965940557e-05    greater"
## [1] "Welch Two Sample t-test  6.00817399079536e-05    greater"

## pdf
## 2
```

#### Liberdade x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.081394434970424    two.sided"
## [1] "Welch Two Sample t-test  0.156078593197446    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.960214947928493    less"
## [1] "Welch Two Sample t-test  0.921960703401277    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.040697217485212    greater"
## [1] "Welch Two Sample t-test  0.0780392965987232    greater"

## pdf
## 2
```

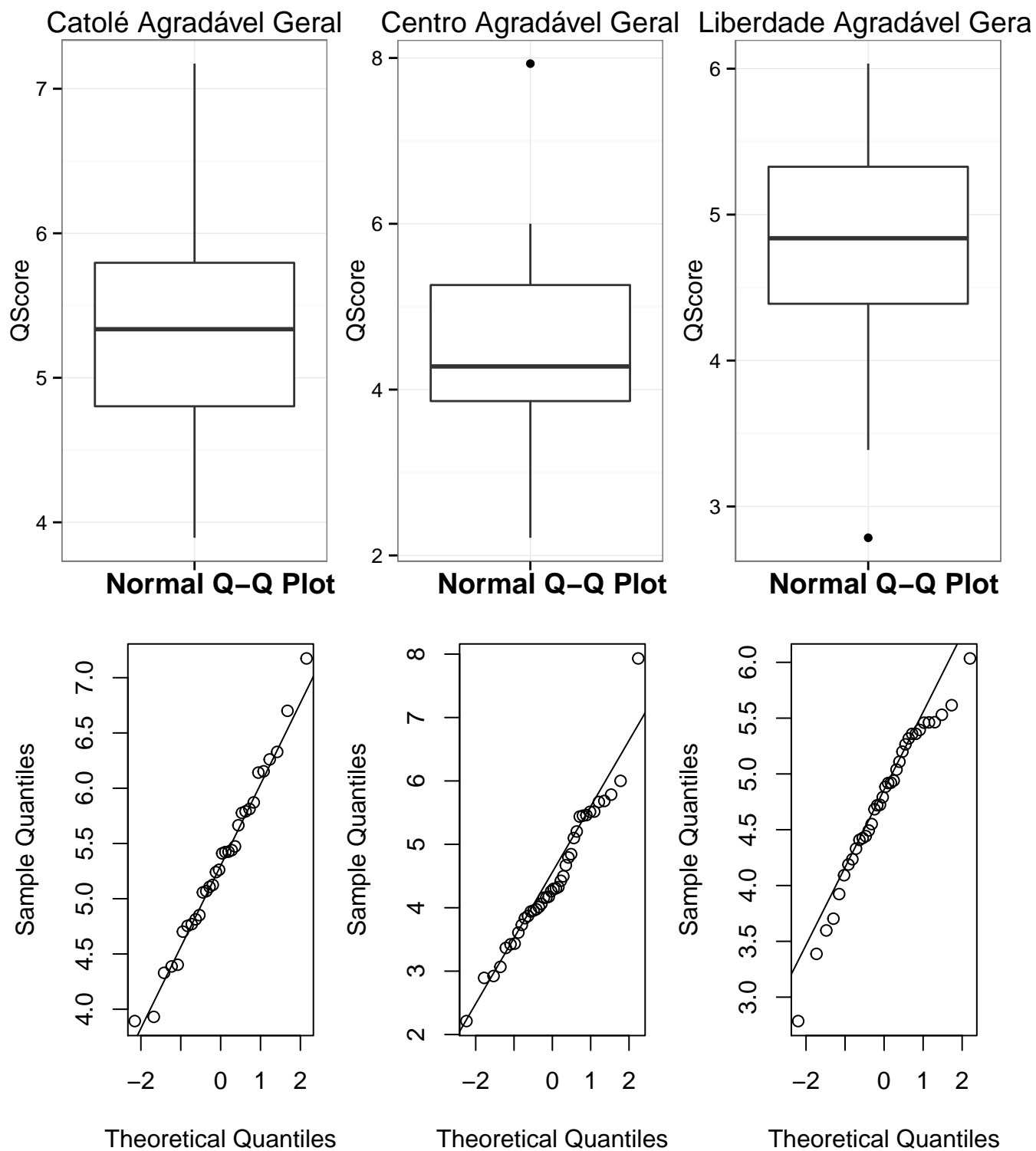
#### Catole x Liberdade

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.00415494064548917    two.sided"
## [1] "Welch Two Sample t-test  0.00169905602688966    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.998005842238846    less"
## [1] "Welch Two Sample t-test  0.999150471986555    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.00207747032274459    greater"
## [1] "Welch Two Sample t-test  0.000849528013444831    greater"

## pdf
## 2
```

Normalidade Catole, Centro, Liberdade

```
## [1] FALSE
```



## Seguranca Geral

### Catole x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.739703078707719    two.sided"
## [1] "Welch Two Sample t-test  0.959281268297759    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.634394367271016    less"
## [1] "Welch Two Sample t-test  0.52035936585112    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.36985153935386    greater"
## [1] "Welch Two Sample t-test  0.47964063414888    greater"

## pdf
## 2
```

### Liberdade x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.52446534288727    two.sided"
## [1] "Welch Two Sample t-test  0.342322117915686    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.262232671443635    less"
## [1] "Welch Two Sample t-test  0.171161058957843    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.741133442534955    greater"
## [1] "Welch Two Sample t-test  0.828838941042157    greater"

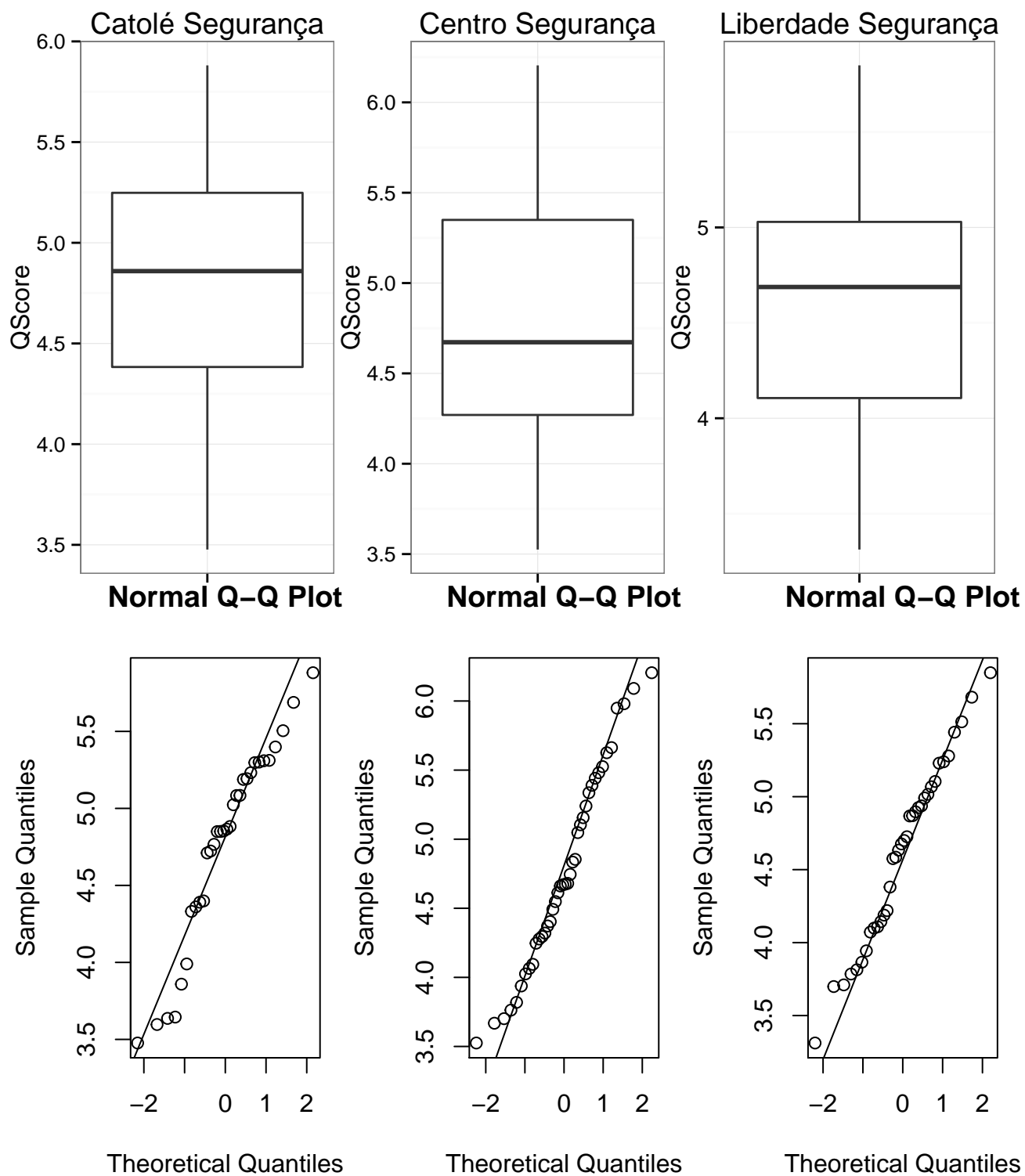
## pdf
## 2
```

### Catole x Liberdade

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.278839917588316    two.sided"
## [1] "Welch Two Sample t-test  0.313858008471645    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.863292306894674    less"
## [1] "Welch Two Sample t-test  0.843070995764178    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.139419958794158    greater"
## [1] "Welch Two Sample t-test  0.156929004235822    greater"

## pdf
## 2
```

Normalidade Catole, Centro, Liberdade



## Jovem Agradável

### Catole x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.00182272601687425    two.sided"
## [1] "Welch Two Sample t-test  0.00506718695280677    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.999127540428747    less"
## [1] "Welch Two Sample t-test  0.997466406523597    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.000911363008437125    greater"
## [1] "Welch Two Sample t-test  0.00253359347640338    greater"

## pdf
## 2
```

### Liberdade x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.0718554508799007    two.sided"
## [1] "Welch Two Sample t-test  0.175521458284182    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.964966550720415    less"
## [1] "Welch Two Sample t-test  0.912239270857909    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.0359277254399504    greater"
## [1] "Welch Two Sample t-test  0.0877607291420909    greater"

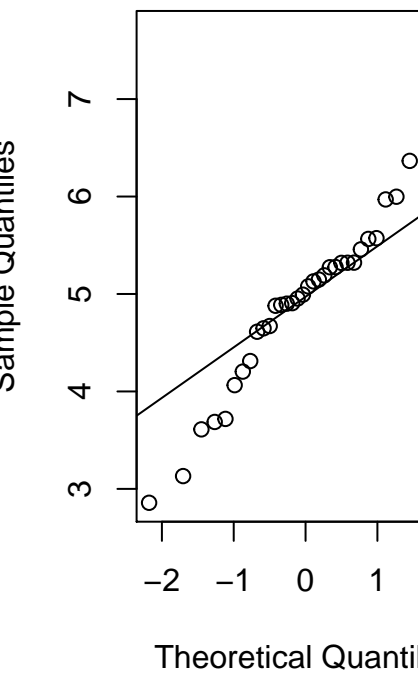
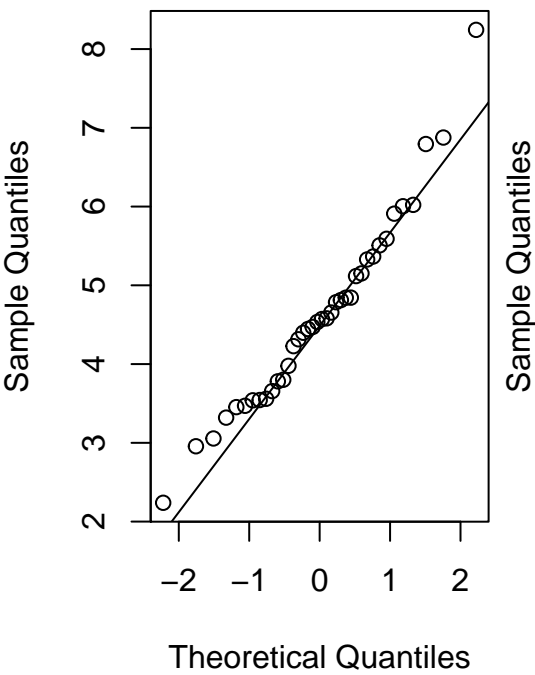
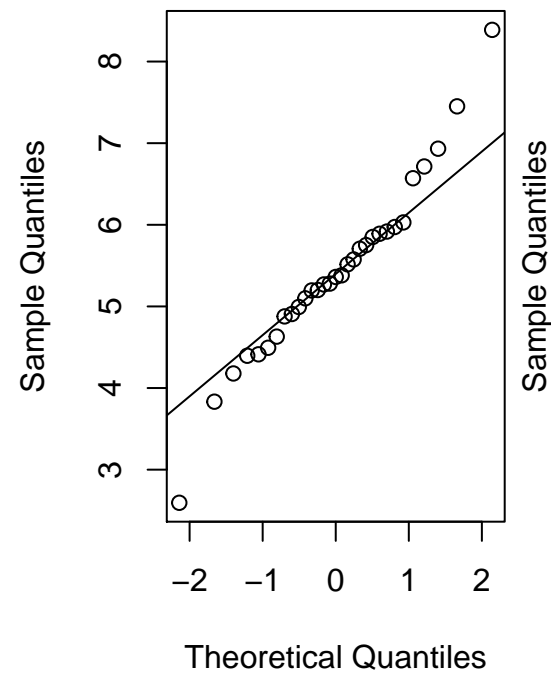
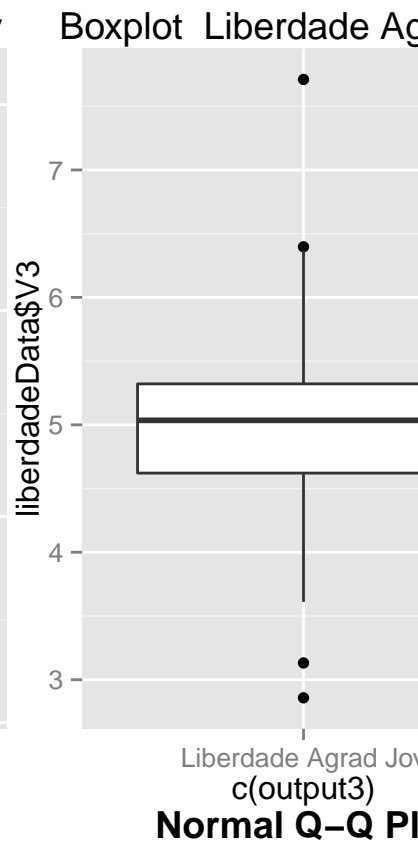
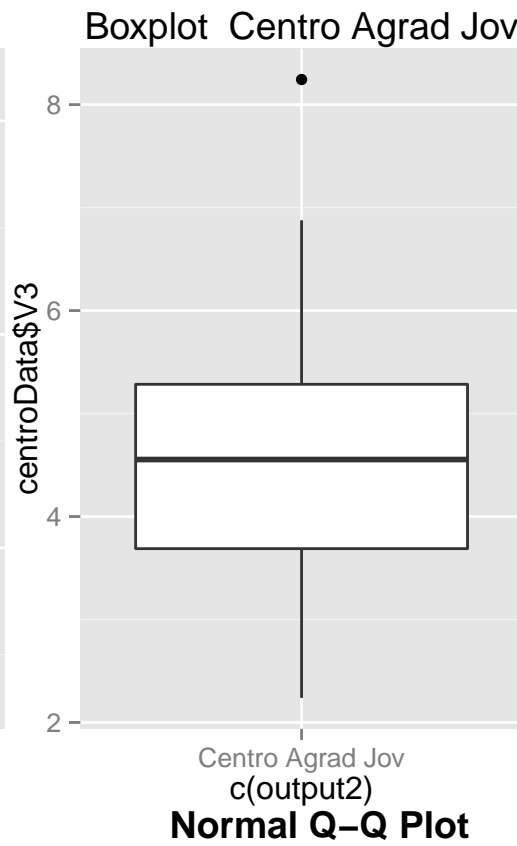
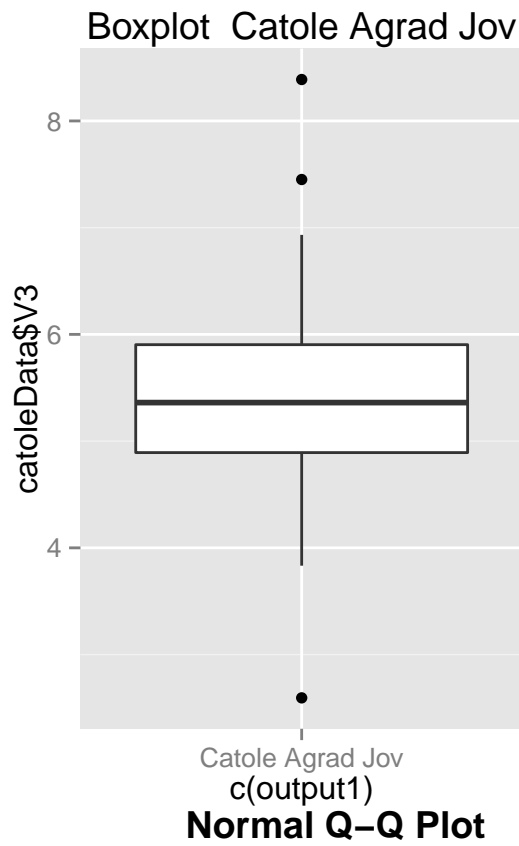
## pdf
## 2
```

### Catole x Liberdade

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.0591283561434439    two.sided"
## [1] "Welch Two Sample t-test  0.080629769716223    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.971323920396957    less"
## [1] "Welch Two Sample t-test  0.959685115141888    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.0295641780717219    greater"
## [1] "Welch Two Sample t-test  0.0403148848581115    greater"

## pdf
## 2
```

# Normalidade Catole, Centro, Liberdade



## Jovem Segurança

### Catole x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.6638828119612    two.sided"
## [1] "Welch Two Sample t-test  0.867959030243219    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.676119712042056    less"
## [1] "Welch Two Sample t-test  0.43397951512161    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.3319414059806    greater"
## [1] "Welch Two Sample t-test  0.56602048487839    greater"

## pdf
## 2
```

### Liberdade x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.859761640454994    two.sided"
## [1] "Welch Two Sample t-test  0.598448659286013    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.577412987076868    less"
## [1] "Welch Two Sample t-test  0.299224329643007    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.429880820227497    greater"
## [1] "Welch Two Sample t-test  0.700775670356993    greater"

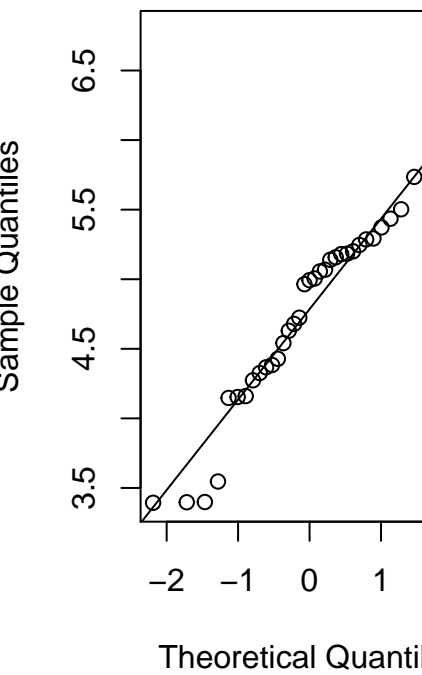
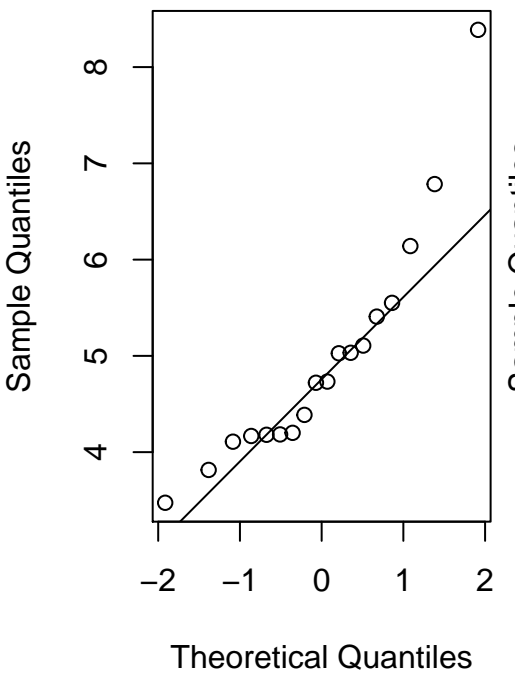
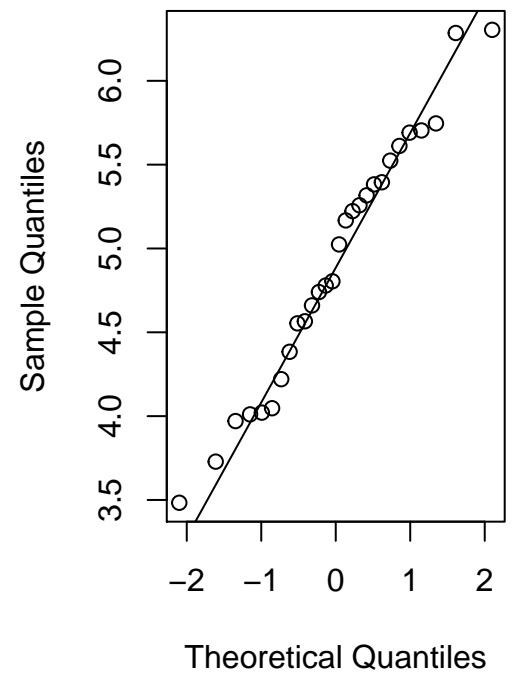
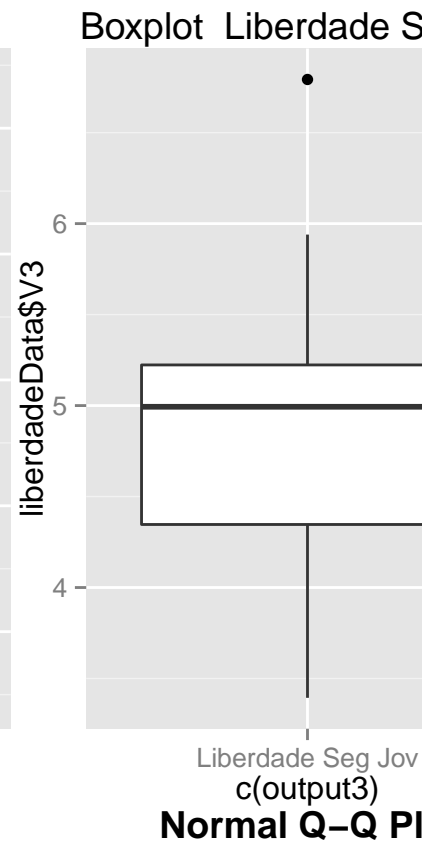
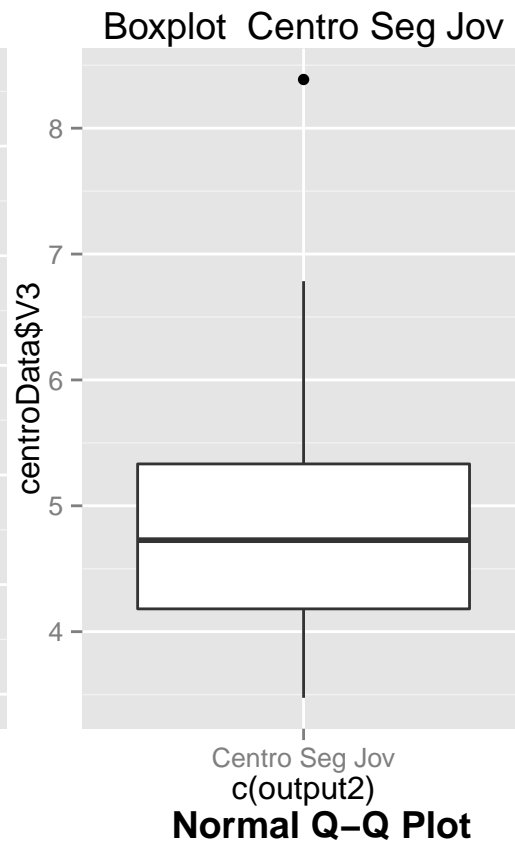
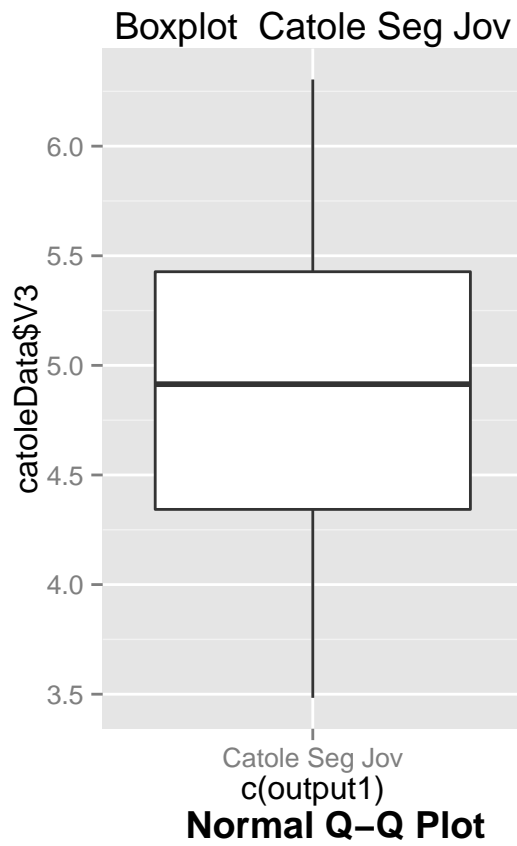
## pdf
## 2
```

### Catole x Liberdade

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.47894451227645    two.sided"
## [1] "Welch Two Sample t-test  0.560141414972058    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.764786174757147    less"
## [1] "Welch Two Sample t-test  0.719929292513971    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.239472256138225    greater"
## [1] "Welch Two Sample t-test  0.280070707486029    greater"

## pdf
## 2
```

# Normalidade Catole, Centro, Liberdade





## Adulto Agradável

### Catole x Centro

```
## [1] ">> Equal"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "t",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.319620609412514    two.sided"
## [1] "Welch Two Sample t-test    0.28508704213688    two.sided"
## [1] ">> Less"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "l",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.843105000575636    less"
## [1] "Welch Two Sample t-test    0.85745647893156    less"
## [1] ">> Greater"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "g",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.159810304706257    greater"
## [1] "Welch Two Sample t-test    0.14254352106844    greater"

## pdf
## 2
```

### Liberdade x Centro

```
## [1] ">> Equal"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "t",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.446426218964424    two.sided"
## [1] "Welch Two Sample t-test    0.628218387494861    two.sided"
## [1] ">> Less"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "l",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.223213109482212    less"
## [1] "Welch Two Sample t-test    0.314109193747431    less"
## [1] ">> Greater"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "g",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.780140066923255    greater"
## [1] "Welch Two Sample t-test    0.685890806252569    greater"

## pdf
## 2
```

## Catole x Liberdade

```
## [1] ">> Equal"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "t",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.198017493672109    two.sided"
## [1] "Welch Two Sample t-test    0.18219893696742    two.sided"
## [1] ">> Less"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "l",
## paired = F): cannot compute exact p-value with ties

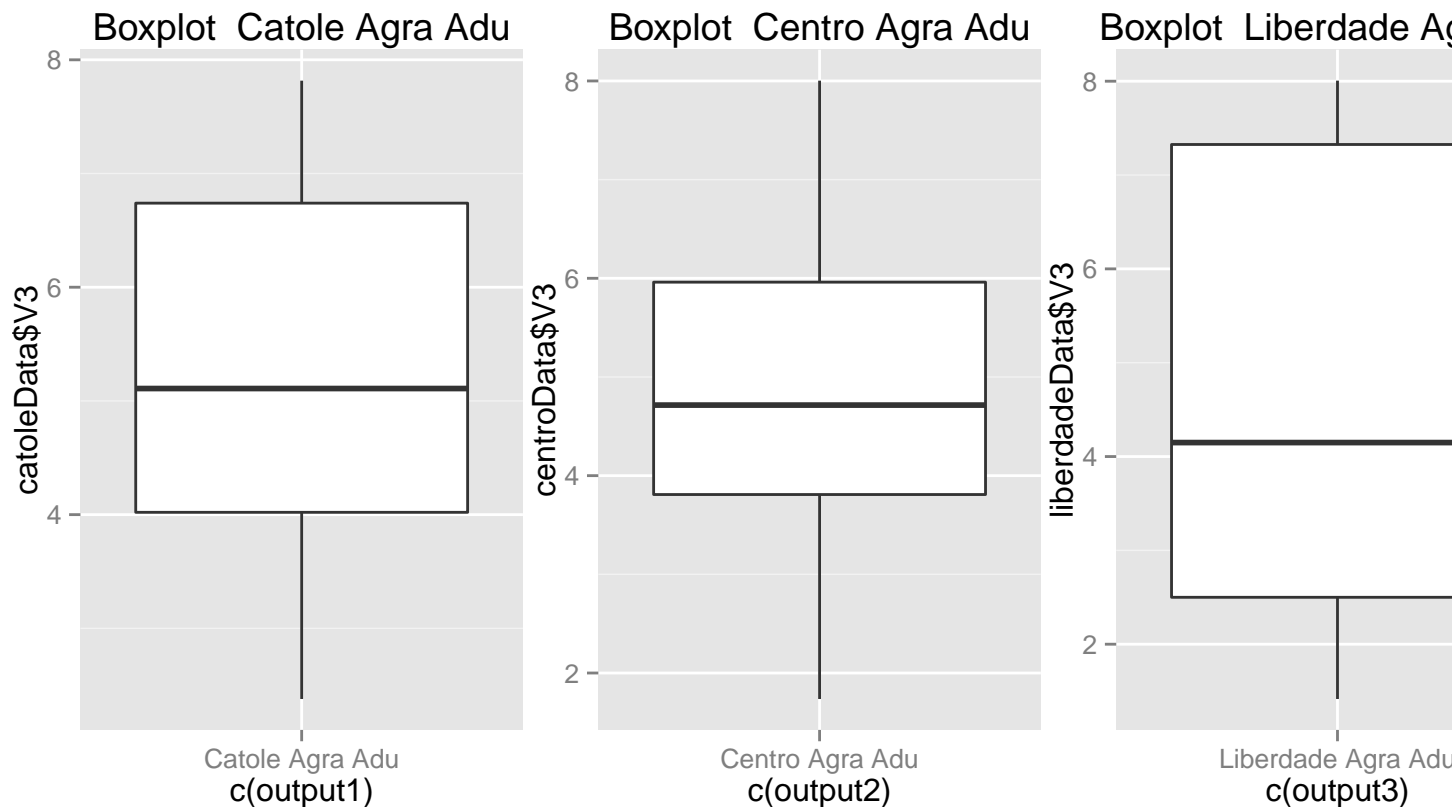
## [1] "Wilcoxon rank sum test with continuity correction    0.903260381572729    less"
## [1] "Welch Two Sample t-test    0.90890053151629    less"
## [1] ">> Greater"

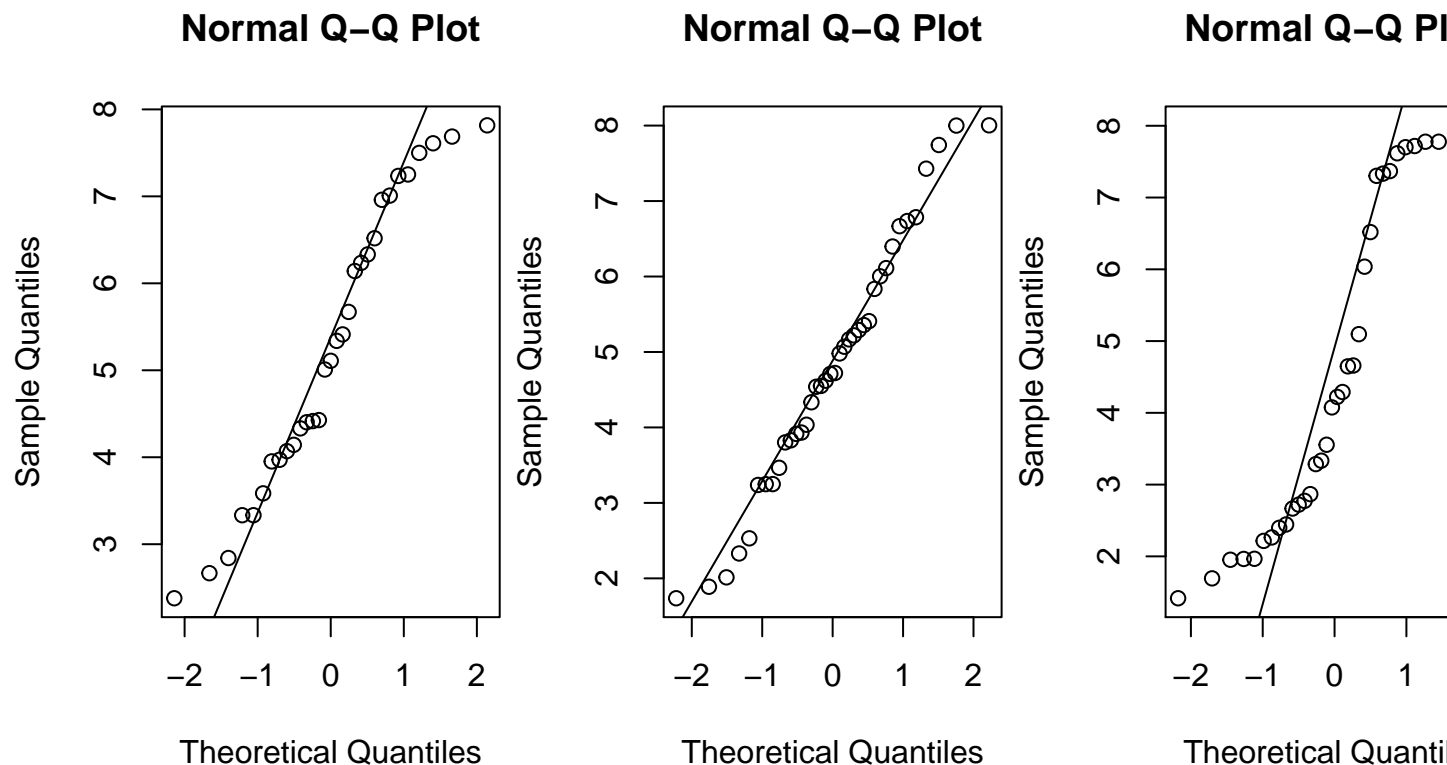
## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "g",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.0990087468360545    greater"
## [1] "Welch Two Sample t-test    0.0910994684837099    greater"

## pdf
## 2
```

## Normalidade Catole, Centro, Liberdade





## Adulto Seguranca

### Catole x Centro

```
## [1] ">> Equal"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "t",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.450765555433291    two.sided"
## [1] "Welch Two Sample t-test    0.388950761748753    two.sided"
## [1] ">> Less"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "l",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.225382777716645    less"
## [1] "Welch Two Sample t-test    0.194475380874377    less"
## [1] ">> Greater"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "g",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.781317637971475    greater"
## [1] "Welch Two Sample t-test    0.805524619125623    greater"

## pdf
## 2
```

## Liberdade x Centro

```
## [1] ">> Equal"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "t",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    1    two.sided"
## [1] "Welch Two Sample t-test    0.943470715029986    two.sided"
## [1] ">> Less"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "l",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.5    less"
## [1] "Welch Two Sample t-test    0.471735357514993    less"
## [1] ">> Greater"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "g",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.507492327569573    greater"
## [1] "Welch Two Sample t-test    0.528264642485007    greater"

## pdf
## 2
```

## Catole x Liberdade

```
## [1] ">> Equal"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "t",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.228813778733926    two.sided"
## [1] "Welch Two Sample t-test    0.250883581104474    two.sided"
## [1] ">> Less"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "l",
## paired = F): cannot compute exact p-value with ties

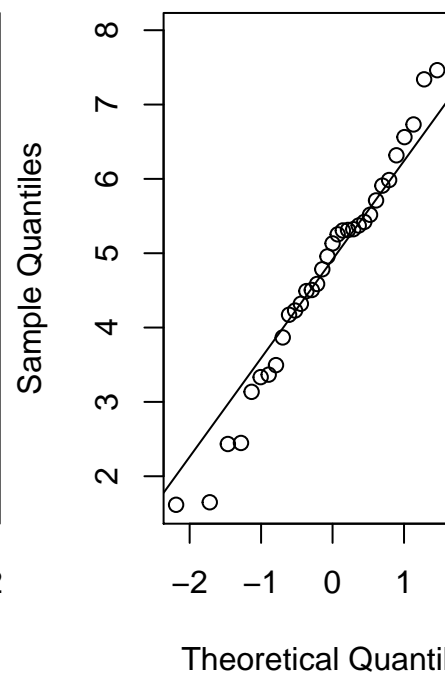
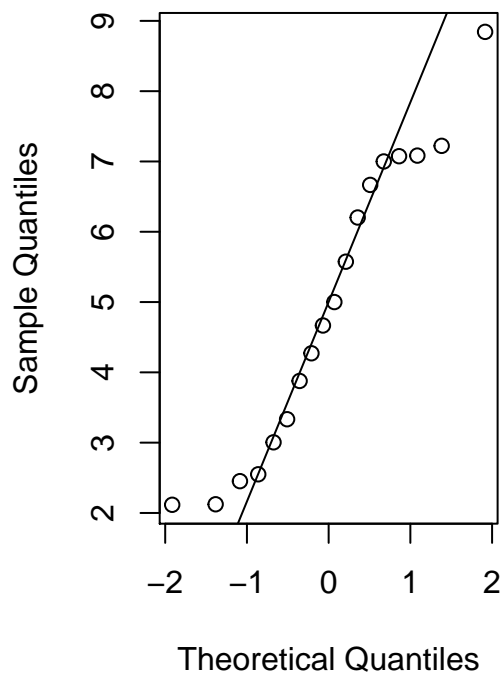
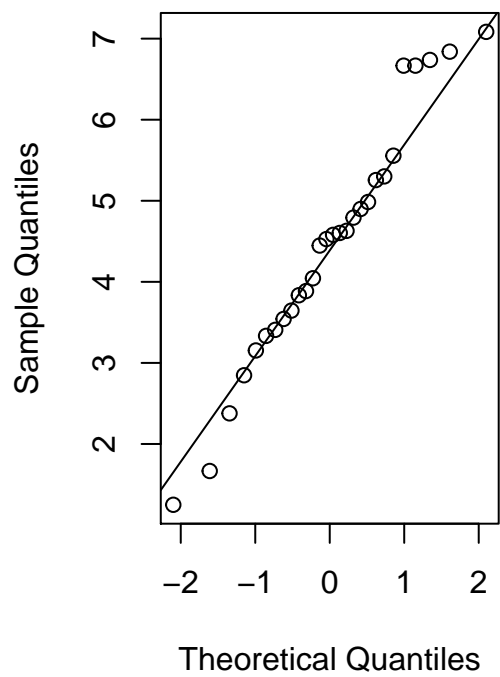
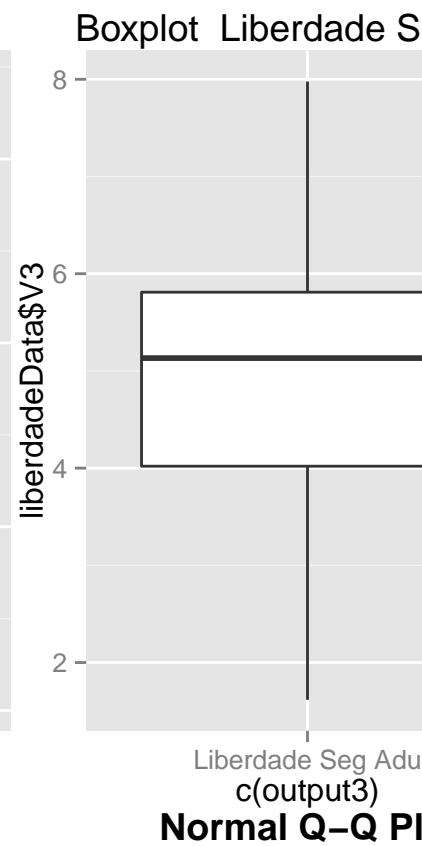
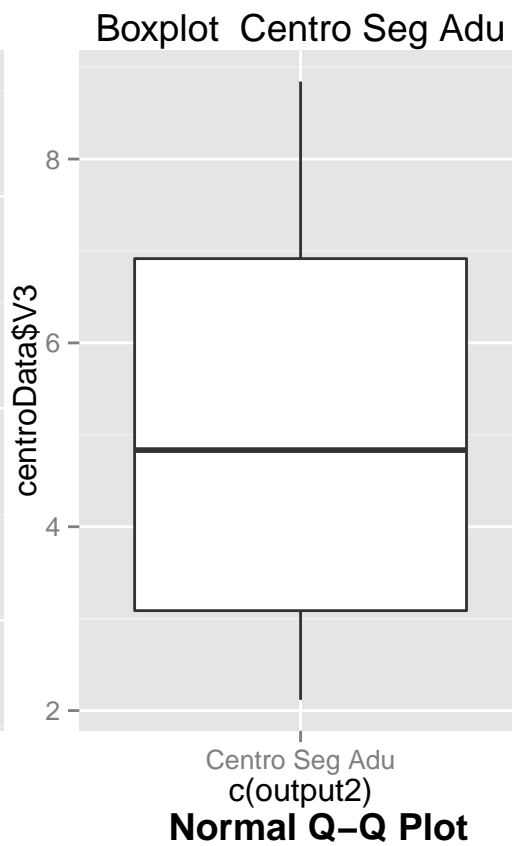
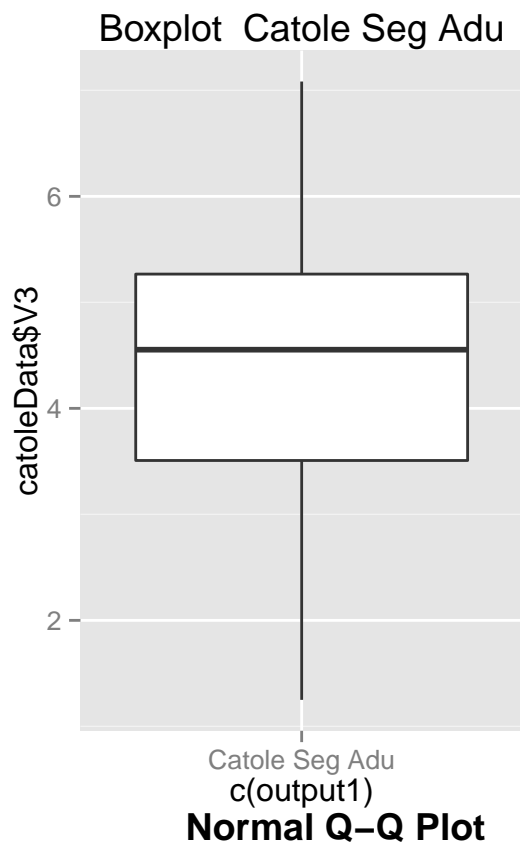
## [1] "Wilcoxon rank sum test with continuity correction    0.114406889366963    less"
## [1] "Welch Two Sample t-test    0.125441790552237    less"
## [1] ">> Greater"

## Warning in wilcox.test.default(data1$V3, data2$V3, alternative = "g",
## paired = F): cannot compute exact p-value with ties

## [1] "Wilcoxon rank sum test with continuity correction    0.888245929814158    greater"
## [1] "Welch Two Sample t-test    0.874558209447763    greater"

## pdf
## 2
```

Normalidade Catole, Centro, Liberdade



## Baixa Agradável

### Catole x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.00267544454534978    two.sided"
## [1] "Welch Two Sample t-test  0.00384667084044897    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.998713938418543    less"
## [1] "Welch Two Sample t-test  0.998076664579776    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.00133772227267489    greater"
## [1] "Welch Two Sample t-test  0.00192333542022448    greater"

## pdf
## 2
```

### Liberdade x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.128018272989658    two.sided"
## [1] "Welch Two Sample t-test  0.230421109475876    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.9372943726534    less"
## [1] "Welch Two Sample t-test  0.884789445262062    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.0640091364948291    greater"
## [1] "Welch Two Sample t-test  0.115210554737938    greater"

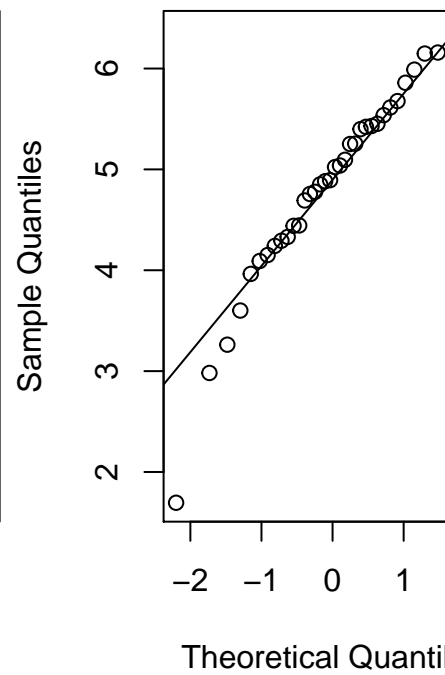
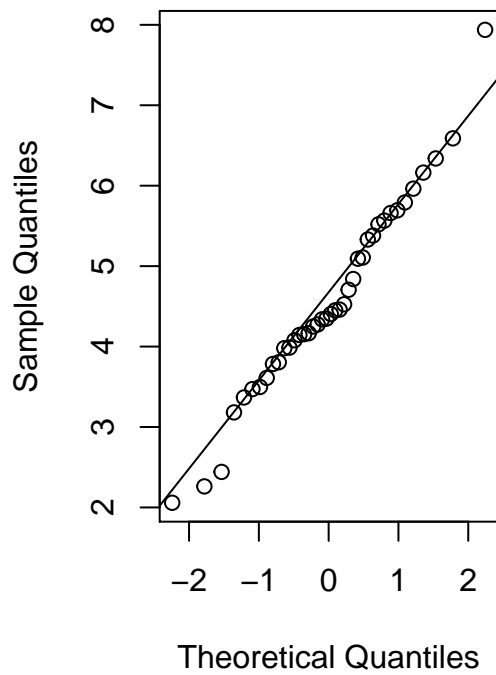
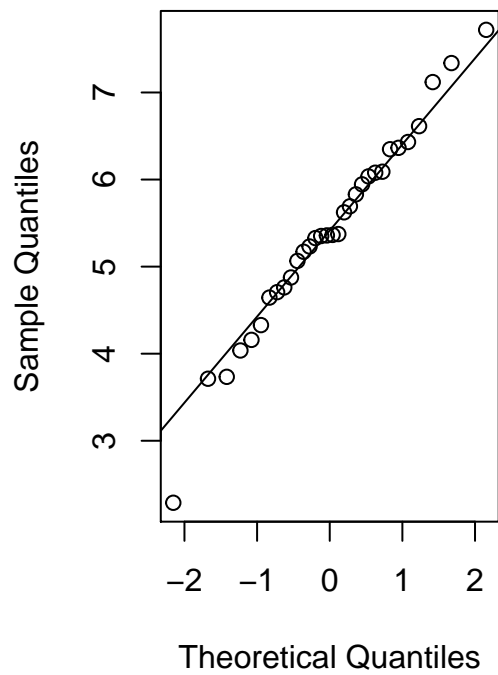
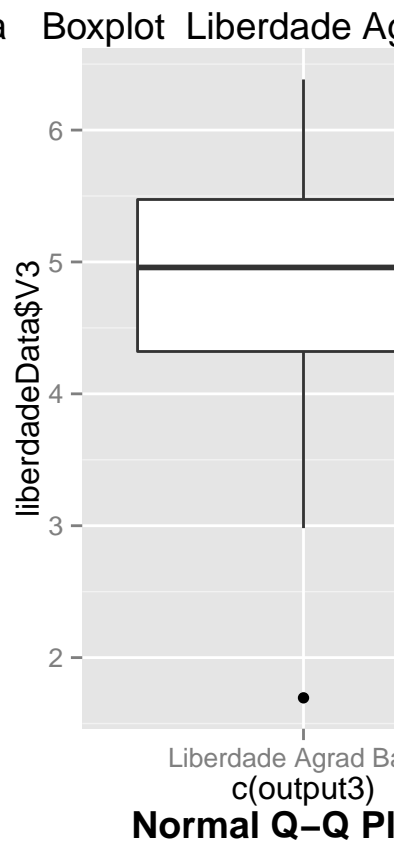
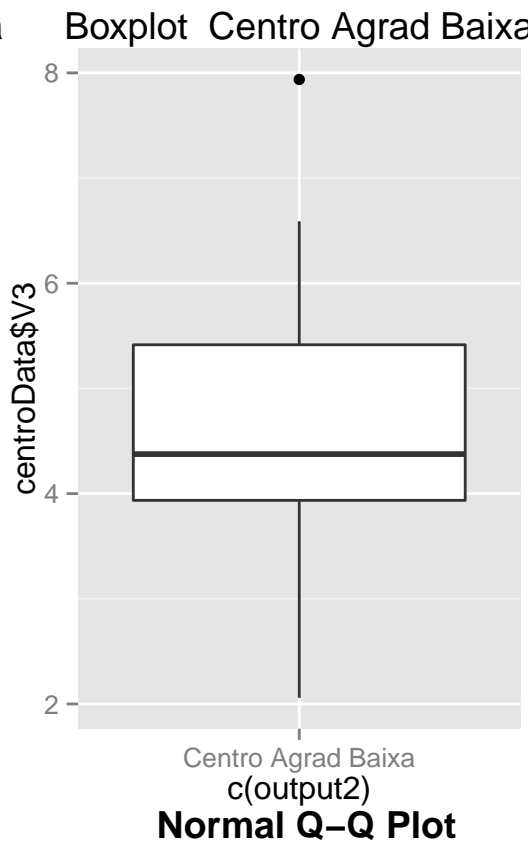
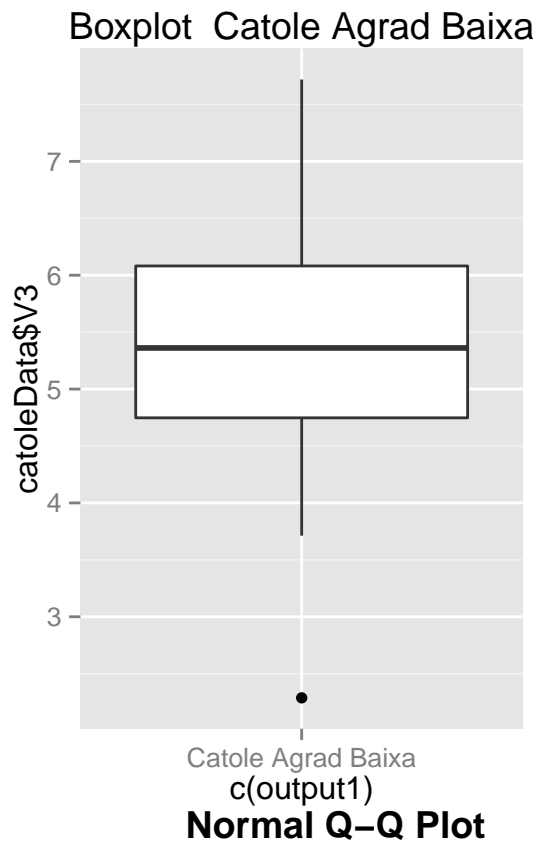
## pdf
## 2
```

### Catole x Liberdade

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.0624000196039645    two.sided"
## [1] "Welch Two Sample t-test  0.0485569488615314    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.969668312531373    less"
## [1] "Welch Two Sample t-test  0.975721525569234    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.0312000098019822    greater"
## [1] "Welch Two Sample t-test  0.0242784744307657    greater"

## pdf
## 2
```

Normalidade Catole, Centro, Liberdade



## Baixa Segurança

### Catole x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.152539494168166    two.sided"
## [1] "Welch Two Sample t-test  0.160852966327144    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.925352967428965    less"
## [1] "Welch Two Sample t-test  0.919573516836428    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.0762697470840832    greater"
## [1] "Welch Two Sample t-test  0.0804264831635718    greater"

## pdf
## 2
```

### Liberdade x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.832101330845719    two.sided"
## [1] "Welch Two Sample t-test  0.862070386002094    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.587979717879348    less"
## [1] "Welch Two Sample t-test  0.568964806998953    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.416050665422859    greater"
## [1] "Welch Two Sample t-test  0.431035193001047    greater"

## pdf
## 2
```

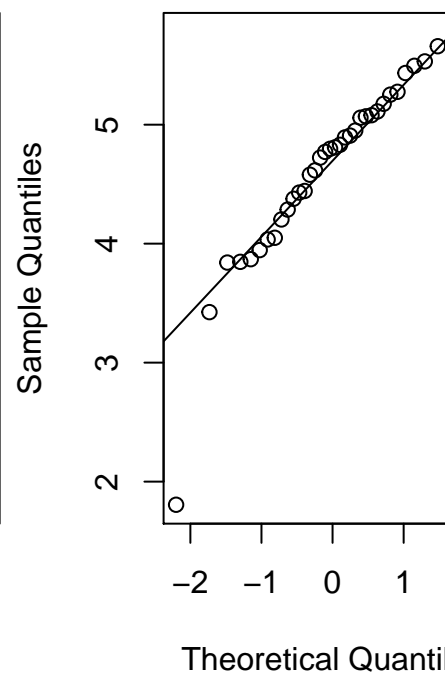
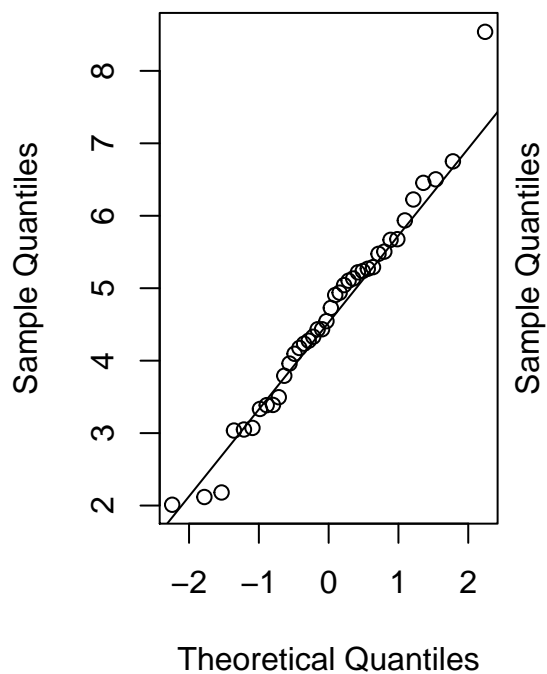
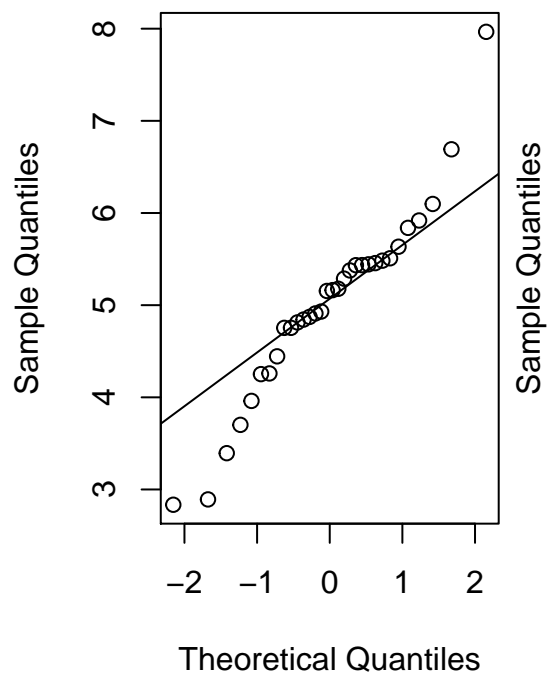
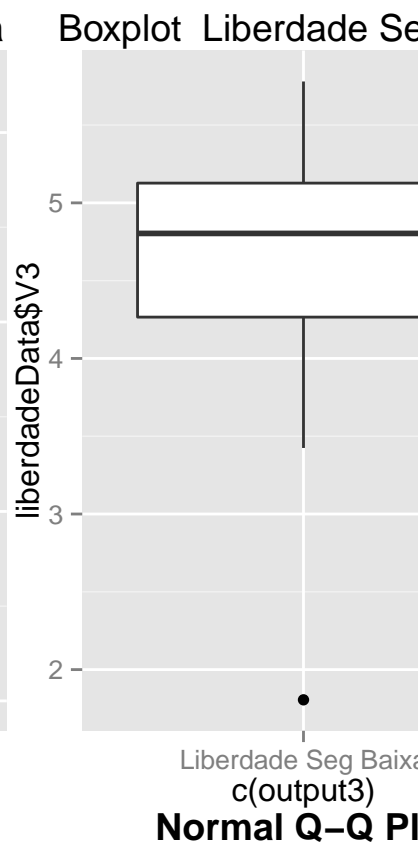
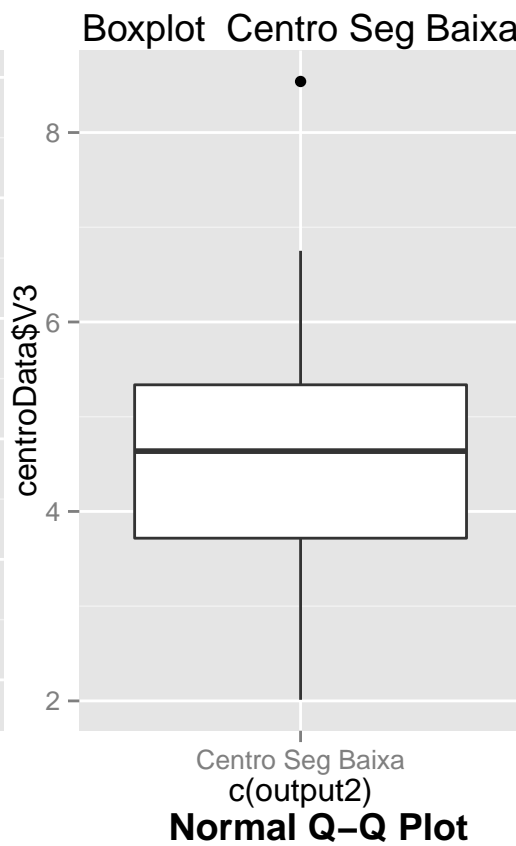
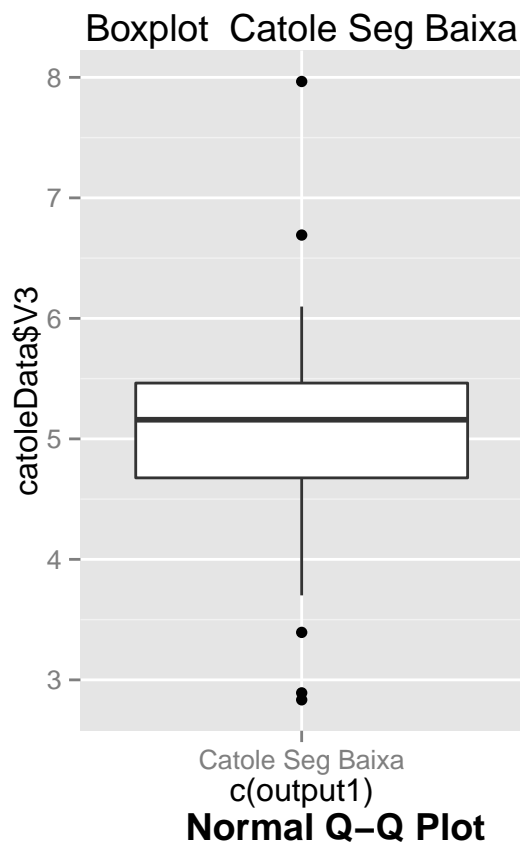
### Catole x Liberdade

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.0820918583067285    two.sided"
## [1] "Welch Two Sample t-test  0.116005948781824    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.960038662530997    less"
## [1] "Welch Two Sample t-test  0.941997025609088    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.0410459291533643    greater"
## [1] "Welch Two Sample t-test  0.0580029743909118    greater"

## pdf
## 2
```



# Normalidade Catole, Centro, Liberdade



## Media Agradável

### Catole x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.000446305830292111    two.sided"
## [1] "Welch Two Sample t-test  0.000328872456929968    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.999786918657217    less"
## [1] "Welch Two Sample t-test  0.999835563771535    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.000223152915146056    greater"
## [1] "Welch Two Sample t-test  0.000164436228464984    greater"

## pdf
## 2
```

### Liberdade x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.108291283392432    two.sided"
## [1] "Welch Two Sample t-test  0.143731756341479    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.946998796895006    less"
## [1] "Welch Two Sample t-test  0.928134121829261    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.0541456416962161    greater"
## [1] "Welch Two Sample t-test  0.0718658781707394    greater"

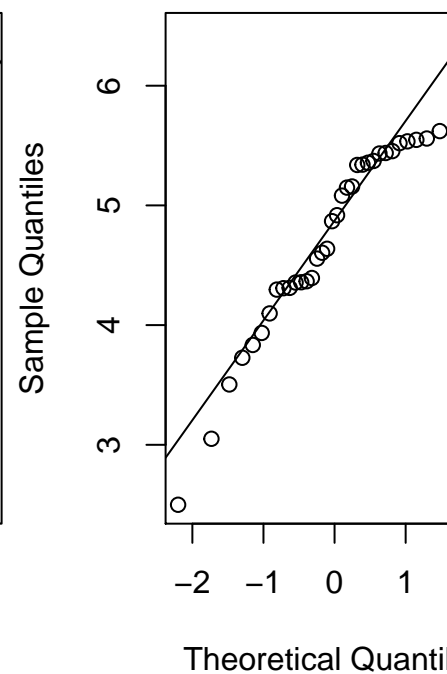
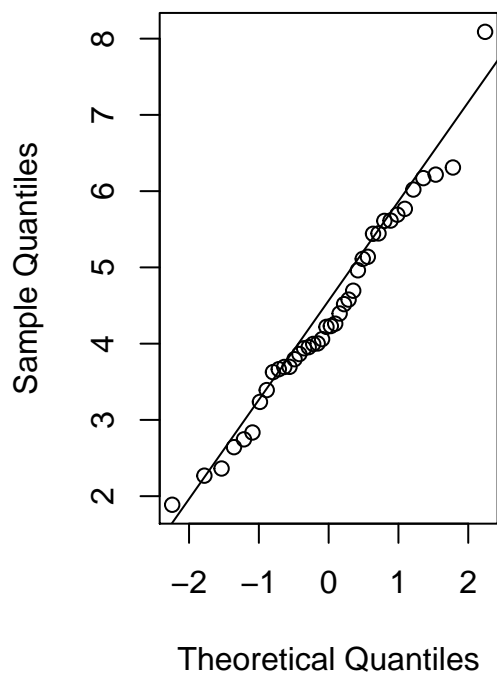
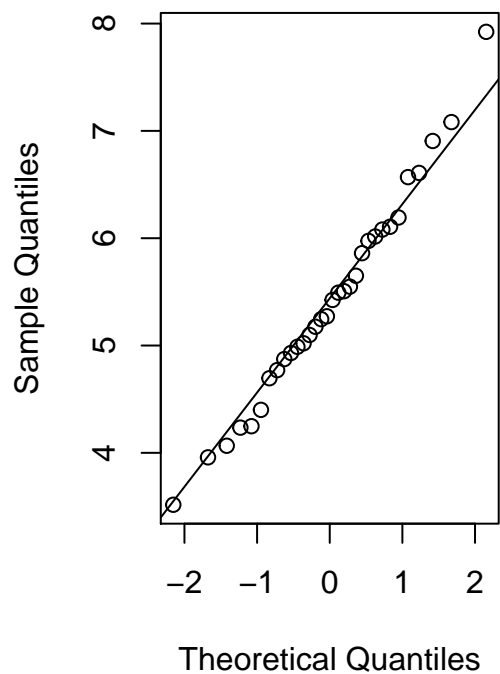
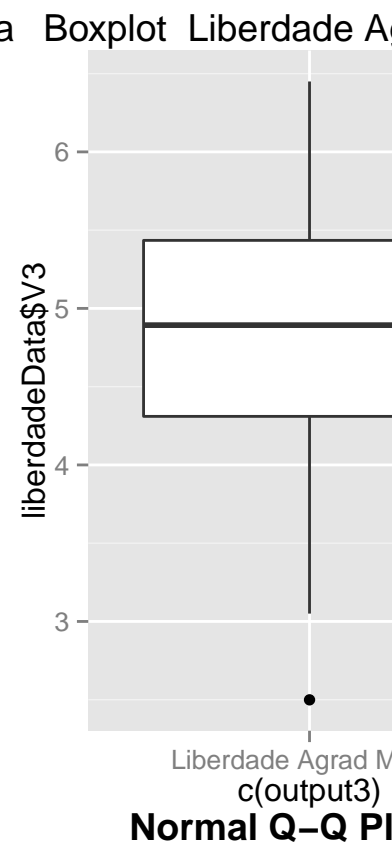
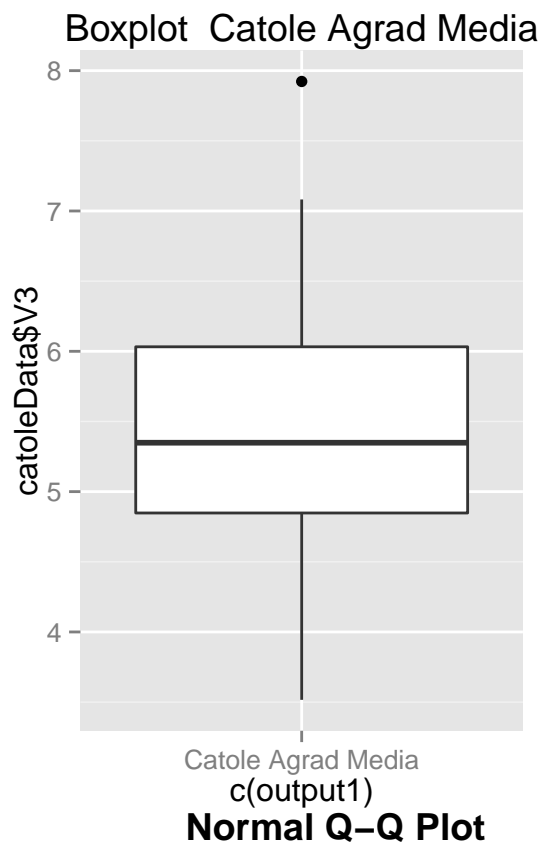
## pdf
## 2
```

### Catole x Liberdade

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.0126304016398283    two.sided"
## [1] "Welch Two Sample t-test  0.00485736791019851    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.993907977089582    less"
## [1] "Welch Two Sample t-test  0.997571316044901    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.00631520081991413    greater"
## [1] "Welch Two Sample t-test  0.00242868395509926    greater"

## pdf
## 2
```

# Normalidade Catole, Centro, Liberdade



## Media Segurança

### Catole x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.773975138662931    two.sided"
## [1] "Welch Two Sample t-test   0.861983654282917    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.617318330705307    less"
## [1] "Welch Two Sample t-test   0.569008172858542    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.386987569331465    greater"
## [1] "Welch Two Sample t-test   0.430991827141458    greater"

## pdf
## 2
```

### Liberdade x Centro

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.565767516483361    two.sided"
## [1] "Welch Two Sample t-test   0.478729789733955    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.282883758241681    less"
## [1] "Welch Two Sample t-test   0.239364894866977    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.720611027190898    greater"
## [1] "Welch Two Sample t-test   0.760635105133023    greater"

## pdf
## 2
```

### Catole x Liberdade

```
## [1] ">> Equal"
## [1] "Wilcoxon rank sum test    0.324825598122943    two.sided"
## [1] "Welch Two Sample t-test   0.302594116508331    two.sided"
## [1] ">> Less"
## [1] "Wilcoxon rank sum test    0.840587387746233    less"
## [1] "Welch Two Sample t-test   0.848702941745834    less"
## [1] ">> Greater"
## [1] "Wilcoxon rank sum test    0.162412799061471    greater"
## [1] "Welch Two Sample t-test   0.151297058254166    greater"

## pdf
## 2
```

# Normalidade Catole, Centro, Liberdade

