

Moran_Corr_Reg

Moran Geral (simulações)

```
## Loading required package: lpSolve
## Version: 1.35
## Date: 2015-04-25
## Author: Philip Leifeld (University of Konstanz)
##
## Please cite the JSS article in your publications -- see citation("texreg").

## [1] ">> Agradavel observed expected p.value"
## [1] "0.0718523955305738 -0.00934579439252336 1.07744878548033e-05"
## [1] ">> Seguro observed expected p.value"
## [1] "0.0370928696855144 -0.00934579439252336 0.0124175934524489"
```

Moran por grupo

Adulto

```
## [1] ">> Agradavel observed expected p.value"
## [1] "-0.0122504656319775 -0.00943396226415094 0.880566021548225"
## [1] ">> Seguro observed expected p.value"
## [1] "0.0373200903120271 -0.00943396226415094 0.013010658136803"
```

Jovem

```
## [1] ">> Agradavel observed expected p.value"
## [1] "0.0463360283678104 -0.00934579439252336 0.00260583073678378"
## [1] ">> Seguro observed expected p.value"
## [1] "0.0547577017224182 -0.00934579439252336 0.000472536136173929"
```

Baixa

```
## [1] ">> Agradavel observed expected p.value"
## [1] "0.0638593028699875 -0.00934579439252336 7.75607267096134e-05"
## [1] ">> Seguro observed expected p.value"
## [1] "0.04441265955983 -0.00934579439252336 0.00352190988759782"
```

Média

```
## [1] ">> Agradavel observed expected p.value"
## [1] "0.0658275041330067 -0.00934579439252336 4.95164924394498e-05"
## [1] ">> Seguro observed expected p.value"
## [1] "0.0280438852345186 -0.00934579439252336 0.0438591463419458"
```

Feminino

```
## [1] ">> Agradavel observed expected p.value"
## [1] "0.0530337067816354 -0.00934579439252336 0.00078801558188113"
## [1] ">> Seguro observed expected p.value"
## [1] "0.0165539958181163 -0.00934579439252336 0.15477784097996"
```

Masculino

```
## [1] ">> Agradavel observed expected p.value"
## [1] "0.0750350166223629 -0.00934579439252336 5.11313552142845e-06"
## [1] ">> Seguro observed expected p.value"
## [1] "0.0430306720104248 -0.00934579439252336 0.0049235064954396"
```

Solteiro

```
## [1] ">> Agradavel observed expected p.value"
## [1] "0.0910410966135495 -0.00934579439252336 5.90095785568678e-08"
## [1] ">> Seguro observed expected p.value"
## [1] "0.0210873837475332 -0.00934579439252336 0.100146357018499"
```

Casado

```
## [1] ">> Agradavel observed expected p.value"
## [1] "0.0194665148288859 -0.00934579439252336 0.119781731000073"
## [1] ">> Seguro observed expected p.value"
## [1] "0.0210873837475332 -0.00934579439252336 0.100146357018499"
```

Correlações

Geral

```
## [1] "Agradável"
## [1] "Spearman red (p.value rho)"
## [1] "0.608682634613002 -0.0497394419198415"
## [1] "Spearman green"
## [1] "0.658005938488793 0.0430135185343965"
## [1] "Spearman blue"
## [1] "0.956107538639472 0.00535406365810207"
## [1] "Spearman diag"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.00697674188246 -0.258197503527831"
## [1] "Spearman hor"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$hor, method =
## "spearman"): Cannot compute exact p-value with ties
```

```

## [1] "0.163634828094016   -0.134993117115738"
## [1] "Spearman ver"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.326155034456189   -0.0953764322979442"
## [1] "Kendall red"
## [1] "0.588104522734266   -0.0353063343717549"
## [1] "Kendall green"
## [1] "0.655589254896972    0.0290758047767394"
## [1] "Kendall blue"
## [1] "0.970351381336568    0.00242298373139495"
## [1] "Kendall diag"
## [1] "0.00824234374874362  -0.17710275219562"
## [1] "Kendall hor"
## [1] "0.164916532463506   -0.0908702973609777"
## [1] "Kendall ver"
## [1] "0.330394538426256   -0.0653502768801825"

## [1] "Segurança"
## [1] "Spearman red (p.value rho)"
## [1] "0.425923126159823    0.0773004849143064"
## [1] "Spearman green"
## [1] "0.157965639719245    0.136747739765831"
## [1] "Spearman blue"
## [1] "0.103882094887368    0.157325635675974"
## [1] "Spearman diag"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.917694771321905    0.010060512378654"
## [1] "Spearman hor"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.00130660923621474    0.305444794744338"
## [1] "Spearman ver"

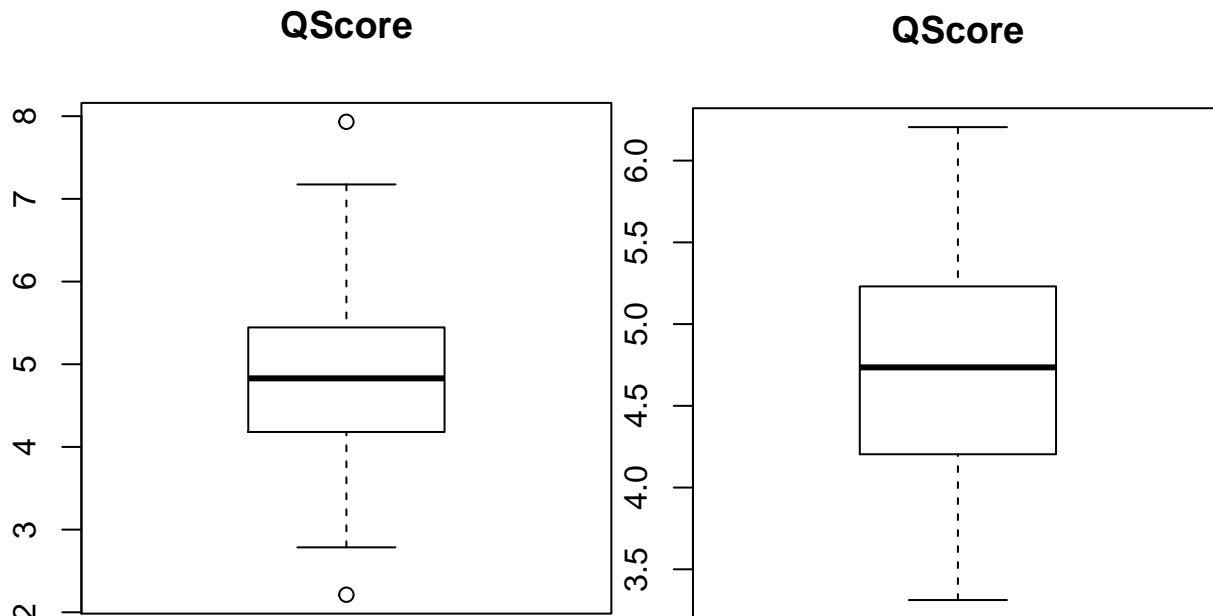
## Warning in cor.test.default(dataSeg$qscore, dataSeg$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.631531487663777   -0.0466647201850888"
## [1] "Kendall red"
## [1] "0.422692968746591    0.0522672204915196"
## [1] "Kendall green"
## [1] "0.169069207686406    0.089650398061613"
## [1] "Kendall blue"
## [1] "0.116029880549152    0.102457597784701"
## [1] "Kendall diag"

```

```
## [1] "0.849870245990684    0.0126884918323805"
## [1] "Kendall hor"
## [1] "0.00187491729219813    0.203459117035765"
## [1] "Kendall ver"
## [1] "0.625554757010602    -0.0327646593673244"
```

```
## pdf
## 2
```



Adulto

```
## [1] "Agradável"
## [1] "Spearman red (p.value rho)"
```

```
## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$red, method =
## "spearman"): Cannot compute exact p-value with ties
```

```
## [1] "0.163832472560354    -0.138214507352598"
## [1] "Spearman green"
```

```
## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$green, method =
## "spearman"): Cannot compute exact p-value with ties
```

```
## [1] "0.399436890281084    -0.0839039873590667"
## [1] "Spearman blue"
```

```
## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$blue, method =
## "spearman"): Cannot compute exact p-value with ties
```

```
## [1] "0.173187499068723    -0.135238137096128"
## [1] "Spearman diag"
```

```

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.00887366100780692    -0.256647260586155"
## [1] "Spearman hor"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.946925937858496    0.00664006617234401"
## [1] "Spearman ver"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.735062199142872    -0.0337458296216829"
## [1] "Kendall red"
## [1] "0.167828760065971    -0.0921817074306908"
## [1] "Kendall green"
## [1] "0.37396000786565    -0.0594229188396188"
## [1] "Kendall blue"
## [1] "0.182328352806401    -0.0891343782594283"
## [1] "Kendall diag"
## [1] "0.0109729114245629    -0.174669578513269"
## [1] "Kendall hor"
## [1] "0.920538590929352    0.00669220024712738"
## [1] "Kendall ver"
## [1] "0.703391614677903    -0.0262194623049138"

## [1] "Segurança"
## [1] "Spearman red (p.value rho)"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$red, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.117021919038707    -0.17552834121053"
## [1] "Spearman green"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$green, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.202585467924451    -0.143074117546153"
## [1] "Spearman blue"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$blue, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.193726971048279    -0.145897205895525"
## [1] "Spearman diag"

```

```
## Warning in cor.test.default(dataSeg$qscore, dataSeg$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.55238010077648   -0.0669889000905406"
## [1] "Spearman hor"

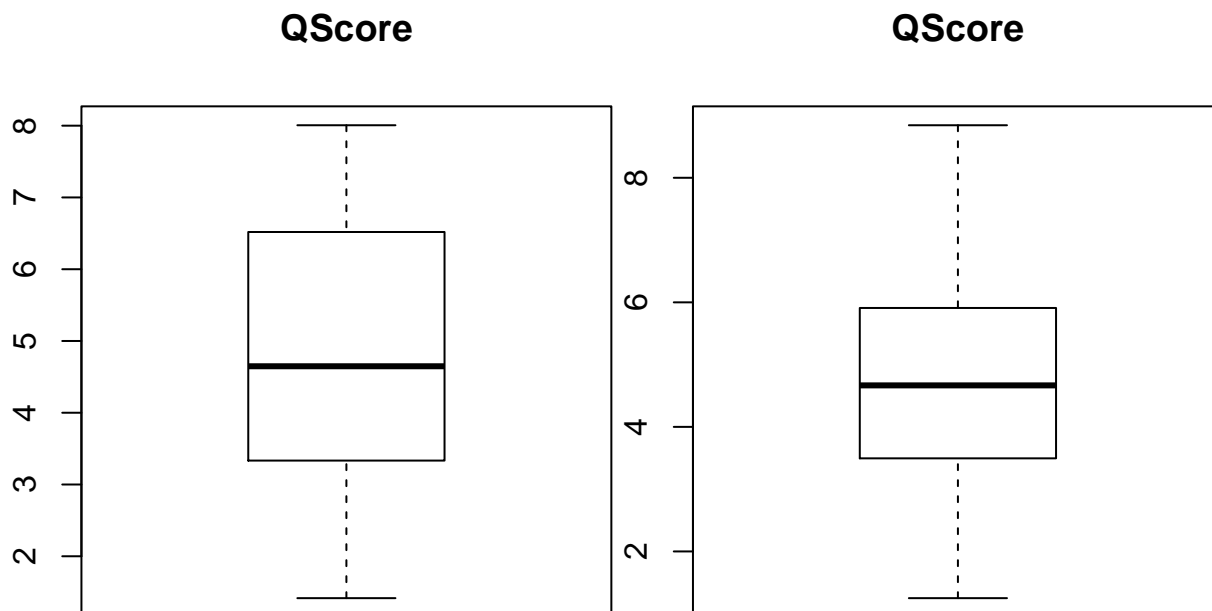
## Warning in cor.test.default(dataSeg$qscore, dataSeg$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.0461644861550704   0.222218459443954"
## [1] "Spearman ver"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.17353782412234   -0.152698672124853"
## [1] "Kendall red"
## [1] "0.147635321258826   -0.109686453755319"
## [1] "Kendall green"
## [1] "0.245062293324853   -0.0880581389303266"
## [1] "Kendall blue"
## [1] "0.235267633982462   -0.0899119944867545"
## [1] "Kendall diag"
## [1] "0.619580755725213   -0.0387817265884404"
## [1] "Kendall hor"
## [1] "0.0589019427123845   0.143678031901857"
## [1] "Kendall ver"
## [1] "0.177133969382441   -0.105658590481135"

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## 2
```



Jovem

```
## [1] "Agradável"
## [1] "Spearman red (p.value rho)"
## [1] "0.568161144057573    0.0568027061459386"
## [1] "Spearman green"
## [1] "0.140538224375723    0.146158239247902"
## [1] "Spearman blue"
## [1] "0.411425215963406    0.0816895839739929"
## [1] "Spearman diag"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.019191368313404    -0.230441357942875"
## [1] "Spearman hor"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.23830252774605    -0.117223521556362"
## [1] "Spearman ver"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.462394808614511    -0.0732089637127119"
## [1] "Kendall red"
## [1] "0.602040998090463    0.0348372358652199"
## [1] "Kendall green"
## [1] "0.165218974613476    0.0927089282314868"
## [1] "Kendall blue"
## [1] "0.503084554556807    0.0447363411383971"
## [1] "Kendall diag"
## [1] "0.0224217836308161    -0.156715378321073"
## [1] "Kendall hor"
## [1] "0.244896338533909    -0.0779747981458394"
## [1] "Kendall ver"
## [1] "0.41785889653131    -0.0557637265023372"

## [1] "Segurança"
## [1] "Spearman red (p.value rho)"
## [1] "0.334801968483968    0.108378500451671"
## [1] "Spearman green"
## [1] "0.175566262743566    0.151874435411021"
## [1] "Spearman blue"
## [1] "0.161430053536347    0.156955736224029"
## [1] "Spearman diag"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$diag, method =
## "spearman"): Cannot compute exact p-value with ties
```

```
## [1] "0.824216125330554    0.0250663461369609"
## [1] "Spearman hor"

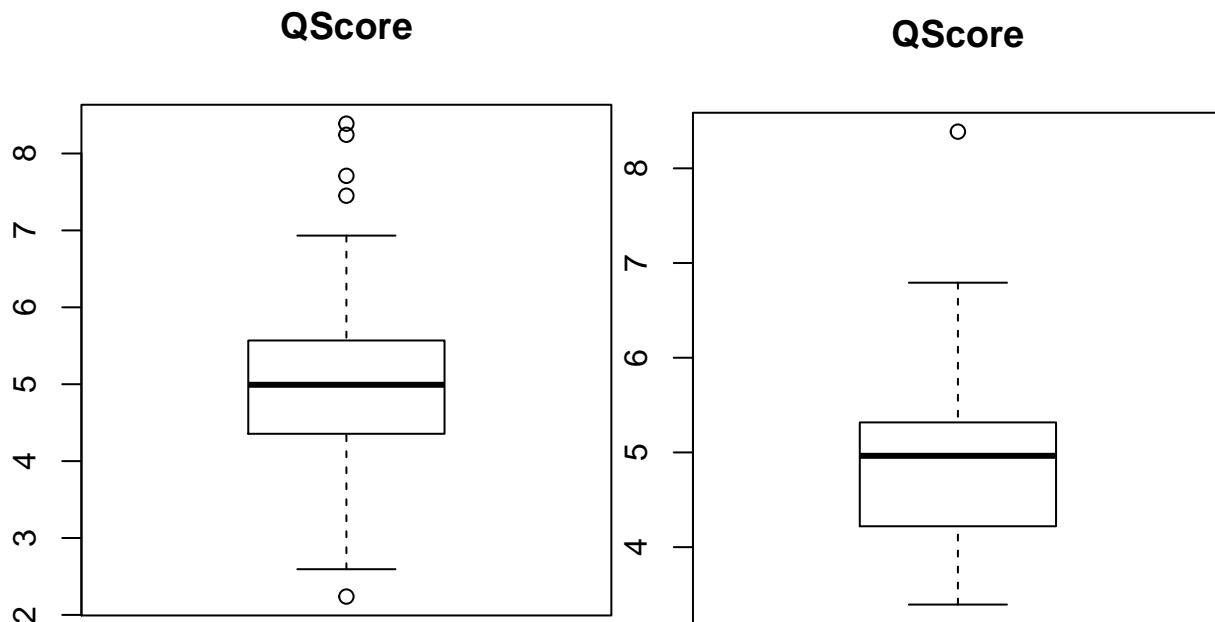
## Warning in cor.test.default(dataSeg$qscore, dataSeg$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.0188975272548112    0.260369201582119"
## [1] "Spearman ver"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.779906585962367    -0.0315313403377876"
## [1] "Kendall red"
## [1] "0.352434933250237    0.0703703703703704"
## [1] "Kendall green"
## [1] "0.221132614862301    0.0925925925925926"
## [1] "Kendall blue"
## [1] "0.158206680316673    0.10679012345679"
## [1] "Kendall diag"
## [1] "0.847099034986526    0.0150476948305484"
## [1] "Kendall hor"
## [1] "0.0238196224923439    0.171731313362942"
## [1] "Kendall ver"
## [1] "0.739694094477539    -0.0259850933233846"

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## 2
```



Baixa

```
## [1] "Agradável"
```



```

## [1] "Spearman red (p.value rho)"
## [1] "0.8387015669696   -0.0197871712061886"
## [1] "Spearman green"
## [1] "0.573164582655393   0.0547314870387836"
## [1] "Spearman blue"
## [1] "0.838165247320821   0.0198538588318233"
## [1] "Spearman diag"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.0118686893840161   -0.241323193554319"
## [1] "Spearman hor"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.320750700701263   -0.096442711140987"
## [1] "Spearman ver"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.37962781251682   -0.0853806072301123"
## [1] "Kendall red"
## [1] "0.815276240000268   -0.0152301834544825"
## [1] "Kendall green"
## [1] "0.625204006307289   0.0318449290411907"
## [1] "Kendall blue"
## [1] "0.919642977378978   0.006576670128072"
## [1] "Kendall diag"
## [1] "0.0153773315978957   -0.162448437684984"
## [1] "Kendall hor"
## [1] "0.316802638614479   -0.0655030632984485"
## [1] "Kendall ver"
## [1] "0.360373479785524   -0.0614113560819249"

## [1] "Segurança"
## [1] "Spearman red (p.value rho)"
## [1] "0.0998237049544484   0.159183362390084"
## [1] "Spearman green"
## [1] "0.0370958988320391   0.201053664485029"
## [1] "Spearman blue"
## [1] "0.0445258279026621   0.193870454523803"
## [1] "Spearman diag"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.641120266072159   -0.0453583747261936"
## [1] "Spearman hor"

```

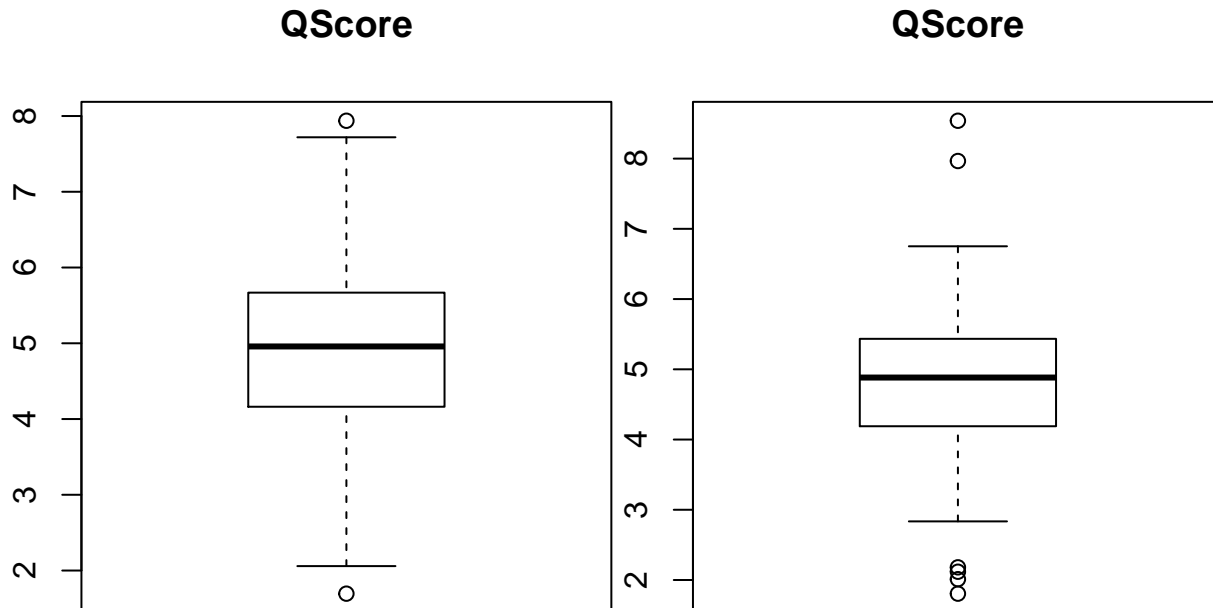
```
## Warning in cor.test.default(dataSeg$qscore, dataSeg$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.0306049323422864    0.20819220112489"
## [1] "Spearman ver"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.889698510098088    -0.0135015378787031"
## [1] "Kendall red"
## [1] "0.0954683159683616    0.108688127379716"
## [1] "Kendall green"
## [1] "0.0447443625790263    0.130841121495327"
## [1] "Kendall blue"
## [1] "0.0594395990415317    0.122879889235029"
## [1] "Kendall diag"
## [1] "0.621867920879483    -0.0330615632252167"
## [1] "Kendall hor"
## [1] "0.0248496018045452    0.14681721084135"
## [1] "Kendall ver"
## [1] "0.84565607630072     -0.0130700553760365"

## pdf
## 2
```



Media

```
## [1] "Agradável"
## [1] "Spearman red (p.value rho)"
## [1] "0.764595619058544    -0.0291043851877257"
## [1] "Spearman green"
```

```

## [1] "0.432352534018007    0.0762334829041508"
## [1] "Spearman blue"
## [1] "0.659923616230959    0.0427562948355197"
## [1] "Spearman diag"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.0159829544627987    -0.231372658259652"
## [1] "Spearman hor"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.398696371273194    -0.0820268030243783"
## [1] "Spearman ver"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.0929082138105171    -0.162496723686438"
## [1] "Kendall red"
## [1] "0.790637577209311    -0.017307026652821"
## [1] "Kendall green"
## [1] "0.425771498882499    0.0519210799584631"
## [1] "Kendall blue"
## [1] "0.674877947071354    0.0273451021114572"
## [1] "Kendall diag"
## [1] "0.0153773315978957    -0.162448437684984"
## [1] "Kendall hor"
## [1] "0.421075120144274    -0.0526456980886735"
## [1] "Kendall ver"
## [1] "0.0934819800503254    -0.112617326459273"

## [1] "Segurança"
## [1] "Spearman red (p.value rho)"
## [1] "0.974781734042332    -0.00307715758285937"
## [1] "Spearman green"
## [1] "0.483046190731168    0.0681166461840388"
## [1] "Spearman blue"
## [1] "0.338460535530241    0.0928863357055074"
## [1] "Spearman diag"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.471732733308714    -0.0699788967022817"
## [1] "Spearman hor"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$hor, method =
## "spearman"): Cannot compute exact p-value with ties

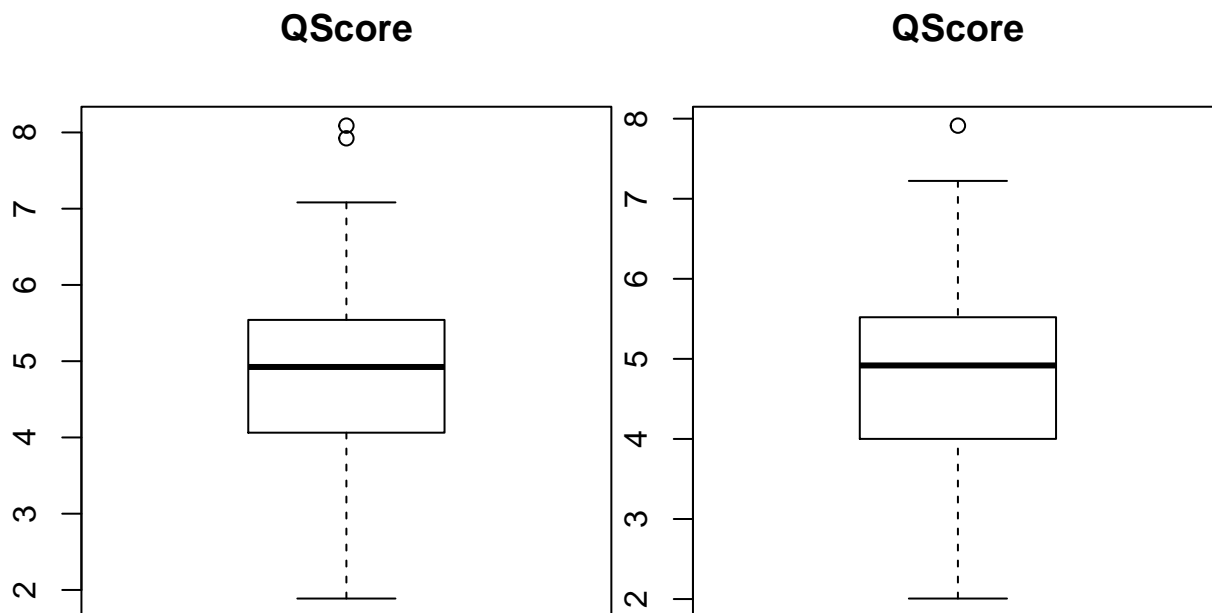
```

```
## [1] "0.0124001551189693  0.239882426105617"
## [1] "Spearman ver"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.389973153442001  -0.0835488364162465"
## [1] "Kendall red"
## [1] "0.923859075183448  -0.00623052959501558"
## [1] "Kendall green"
## [1] "0.483381322679301  0.0456905503634476"
## [1] "Kendall blue"
## [1] "0.375233723064476  0.0578054690204223"
## [1] "Kendall diag"
## [1] "0.506801083806229  -0.044499076989616"
## [1] "Kendall hor"
## [1] "0.0185099708113636  0.15411463433879"
## [1] "Kendall ver"
## [1] "0.386131429682177  -0.0581886027015323"

## pdf
## 2
```



Feminino

```
## [1] "Agradável"
## [1] "Spearman red (p.value rho)"
## [1] "0.47274389741027  -0.0697266760029343"
## [1] "Spearman green"
## [1] "0.85674808488377  0.0175483723455943"
## [1] "Spearman blue"
## [1] "0.751015799970223  -0.0308382634542285"
## [1] "Spearman diag"
```

```

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.073412087311005    -0.172979608274803"
## [1] "Spearman hor"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.205213571639764    -0.122868700011717"
## [1] "Spearman ver"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.0496639879043885    -0.189365884084084"
## [1] "Kendall red"
## [1] "0.53444850436641    -0.0404984423676012"
## [1] "Kendall green"
## [1] "0.786550681743704    0.0176531671858775"
## [1] "Kendall blue"
## [1] "0.774325652423249    -0.0186915887850467"
## [1] "Kendall diag"
## [1] "0.0817047073032552    -0.116698382627386"
## [1] "Kendall hor"
## [1] "0.214965242310456    -0.0811403993643912"
## [1] "Kendall ver"
## [1] "0.0475570626414682    -0.133028097868426"

## [1] "Segurança"
## [1] "Spearman red (p.value rho)"
## [1] "0.691315108014627    -0.0393363917635762"
## [1] "Spearman green"
## [1] "0.95719185729765    0.00532380241118105"
## [1] "Spearman blue"
## [1] "0.837334399818338    0.020345673743732"
## [1] "Spearman diag"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.392623229071392    0.0846998083551058"
## [1] "Spearman hor"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$hor, method =
## "spearman"): Cannot compute exact p-value with ties

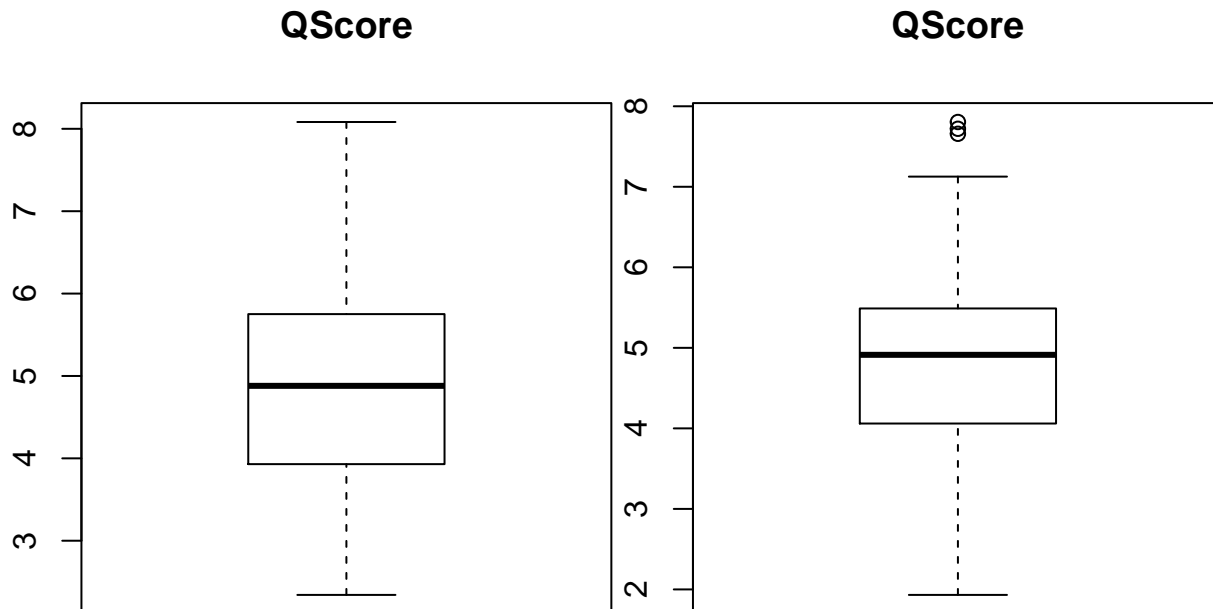
## [1] "0.00263548603248669    0.291968663754275"
## [1] "Spearman ver"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$ver, method =
## "spearman"): Cannot compute exact p-value with ties

```

```
## [1] "0.44955124031854 -0.074949398771849"
## [1] "Kendall red"
## [1] "0.665344924055913 -0.0287528005974608"
## [1] "Kendall green"
## [1] "0.977592462558021 -0.00186706497386109"
## [1] "Kendall blue"
## [1] "0.883878479005685 0.00970873786407767"
## [1] "Kendall diag"
## [1] "0.4053921793771 0.0568522018359519"
## [1] "Kendall hor"
## [1] "0.00259928758140204 0.200938763823596"
## [1] "Kendall ver"
## [1] "0.444655500528855 -0.0522893854945767"
```

```
## pdf
## 2
```



Masculino

```
## [1] "Agradável"
## [1] "Spearman red (p.value rho)"
## [1] "0.700907162013043 -0.0373260167481208"
## [1] "Spearman green"
## [1] "0.562914134075998 0.0561986148027475"
## [1] "Spearman blue"
## [1] "0.818299520529752 0.0223308277839702"
## [1] "Spearman diag"
```

```
## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$diag, method =
## "spearman"): Cannot compute exact p-value with ties
```

```
## [1] "0.013886784556238 -0.23612079932049"
## [1] "Spearman hor"
```

```

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.227135430830559    -0.117180466604172"
## [1] "Spearman ver"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.282822768892918    -0.104277021030593"
## [1] "Kendall red"
## [1] "0.694382626098396    -0.0256143994461751"
## [1] "Kendall green"
## [1] "0.552056445926267     0.0387677397023191"
## [1] "Kendall blue"
## [1] "0.844252287213087     0.0128071997230876"
## [1] "Kendall diag"
## [1] "0.0160677768452628    -0.161376170769571"
## [1] "Kendall hor"
## [1] "0.216935907367965    -0.0807929030073702"
## [1] "Kendall ver"
## [1] "0.25042529580942     -0.0771670392749552"

## [1] "Segurança"
## [1] "Spearman red (p.value rho)"
## [1] "0.643569133156515     0.0458337778726128"
## [1] "Spearman green"
## [1] "0.277533132109064     0.107361570468367"
## [1] "Spearman blue"
## [1] "0.251413646146572     0.113368185212845"
## [1] "Spearman diag"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.531414393146769     -0.062060360275362"
## [1] "Spearman hor"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.00677522713732105     0.263974884335021"
## [1] "Spearman ver"

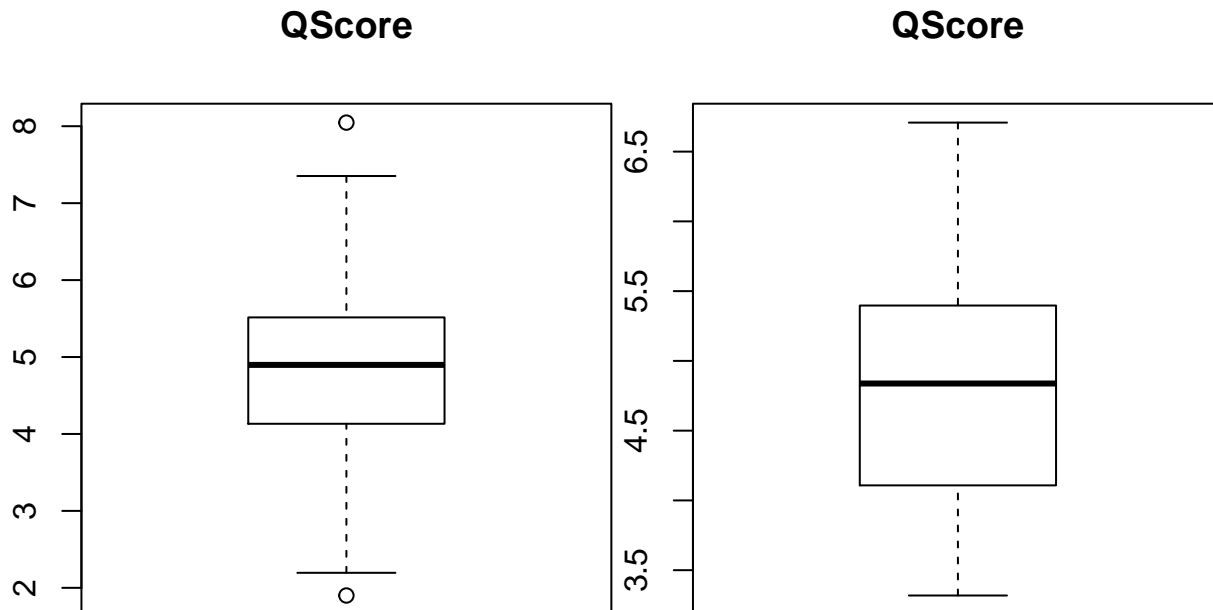
## Warning in cor.test.default(dataSeg$qscore, dataSeg$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.672237880589869     -0.0419753044918571"
## [1] "Kendall red"
## [1] "0.685875798771683     0.0268857356235997"
## [1] "Kendall green"

```

```
## [1] "0.306600851760261    0.0679611650485437"
## [1] "Kendall blue"
## [1] "0.288370621216832    0.0705750560119492"
## [1] "Kendall diag"
## [1] "0.551768093202309    -0.0406637782623249"
## [1] "Kendall hor"
## [1] "0.00676623202399229    0.180694933139876"
## [1] "Kendall ver"
## [1] "0.601814876595294    -0.0356957059649324"

## pdf
## 2
```



Solteiro

```
## [1] "Agradável"
## [1] "Spearman red (p.value rho)"
## [1] "0.743024553794046    0.032014733830992"
## [1] "Spearman green"
## [1] "0.173618833938951    0.132437939614804"
## [1] "Spearman blue"
## [1] "0.342321476299797    0.0925860616391387"
## [1] "Spearman diag"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.0171982480272949    -0.229925198431792"
## [1] "Spearman hor"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$hor, method =
## "spearman"): Cannot compute exact p-value with ties
```



```

## [1] "0.199489710791113    -0.125014085324621"
## [1] "Spearman ver"

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.199998535894436    -0.124873810459668"
## [1] "Kendall red"
## [1] "0.760981603913494    0.0199259389878328"
## [1] "Kendall green"
## [1] "0.184462826474306    0.0869335214247928"
## [1] "Kendall blue"
## [1] "0.381634547698504    0.0573091165579263"
## [1] "Kendall diag"
## [1] "0.0172340737632663   -0.160409871016199"
## [1] "Kendall hor"
## [1] "0.188872577116023   -0.086395303466278"
## [1] "Kendall ver"
## [1] "0.190579469582137   -0.0883498100749713"

## [1] "Segurança"
## [1] "Spearman red (p.value rho)"
## [1] "0.135481055907207    0.145202688140442"
## [1] "Spearman green"
## [1] "0.0456653030909351    0.193763592546876"
## [1] "Spearman blue"
## [1] "0.0344129297918514    0.204902133662493"
## [1] "Spearman diag"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.603540926155805    0.0507680026793198"
## [1] "Spearman hor"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$hor, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.00650790750646108    0.261528778974945"
## [1] "Spearman ver"

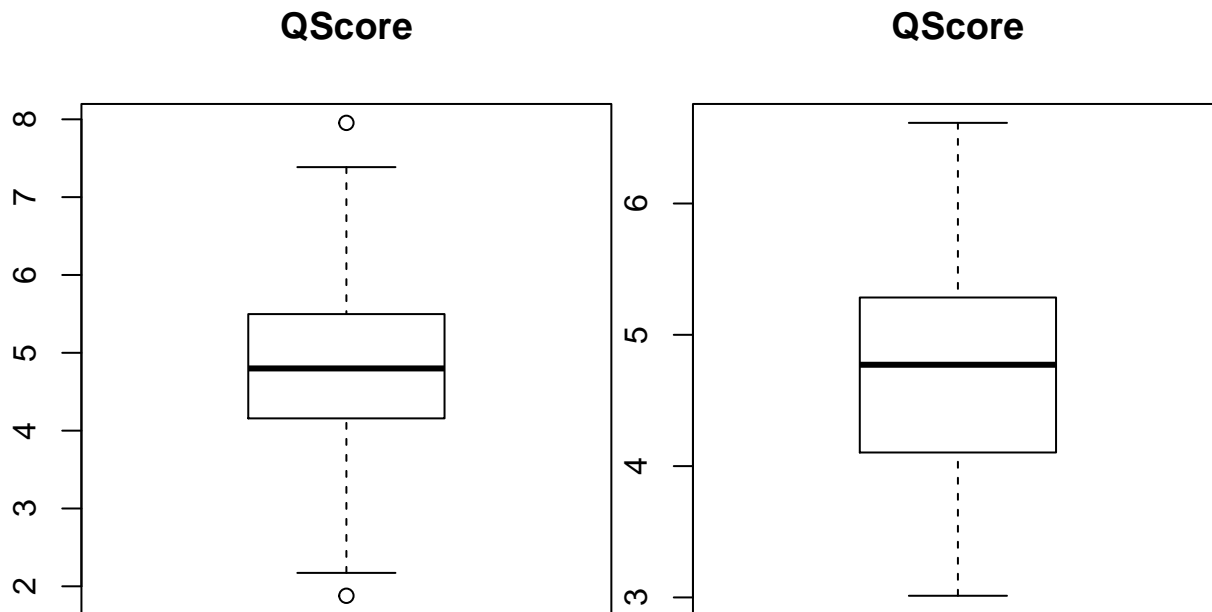
## Warning in cor.test.default(dataSeg$qscore, dataSeg$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.918779251646992    -0.00997487834551404"
## [1] "Kendall red"
## [1] "0.152879733464722    0.0936342796684888"
## [1] "Kendall green"
## [1] "0.0516198497286839    0.127490742373479"
## [1] "Kendall blue"
## [1] "0.0415682036862861    0.133486157644154"
## [1] "Kendall diag"

```

```
## [1] "0.548375712967901    0.0404477266834682"
## [1] "Kendall hor"
## [1] "0.00592922466440249    0.180902274690769"
## [1] "Kendall ver"
## [1] "0.871105337605129    -0.010950386755806"
```

```
## pdf
## 2
```



Casado

```
## [1] "Agradável"
## [1] "Spearman red (p.value rho)"
## [1] "0.0139412915435555    -0.237504653304336"
## [1] "Spearman green"
## [1] "0.105037556030862    -0.157546190168303"
## [1] "Spearman blue"
## [1] "0.0473336435345347    -0.192313720880111"
## [1] "Spearman diag"
```

```
## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$diag, method =
## "spearman"): Cannot compute exact p-value with ties
```

```
## [1] "0.140086461191571    -0.143585237797407"
## [1] "Spearman hor"
```

```
## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$hor, method =
## "spearman"): Cannot compute exact p-value with ties
```

```
## [1] "0.201753597655401    -0.124391929721493"
## [1] "Spearman ver"
```

```

## Warning in cor.test.default(dataAgrad$qscore, dataAgrad$ver, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.195253753365826   -0.126191999415206"
## [1] "Kendall red"
## [1] "0.0116566695912444   -0.165226591430083"
## [1] "Kendall green"
## [1] "0.103389528255103   -0.10668312466937"
## [1] "Kendall blue"
## [1] "0.0426573527113995   -0.132780814671134"
## [1] "Kendall diag"
## [1] "0.15899500198743   -0.0948621371162763"
## [1] "Kendall hor"
## [1] "0.217520639854277   -0.0810841167777773"
## [1] "Kendall ver"
## [1] "0.196135185684374   -0.0872545644955295"

## [1] "Segurança"
## [1] "Spearman red (p.value rho)"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$red, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.0619961291633932   -0.181056694935707"
## [1] "Spearman green"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$green, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.148702674079908   -0.140566065631596"
## [1] "Spearman blue"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$blue, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.267120553274363   -0.108236262412732"
## [1] "Spearman diag"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$diag, method =
## "spearman"): Cannot compute exact p-value with ties

## [1] "0.863720673877417   -0.0167890789861942"
## [1] "Spearman hor"

## Warning in cor.test.default(dataSeg$qscore, dataSeg$hor, method =
## "spearman"): Cannot compute exact p-value with ties

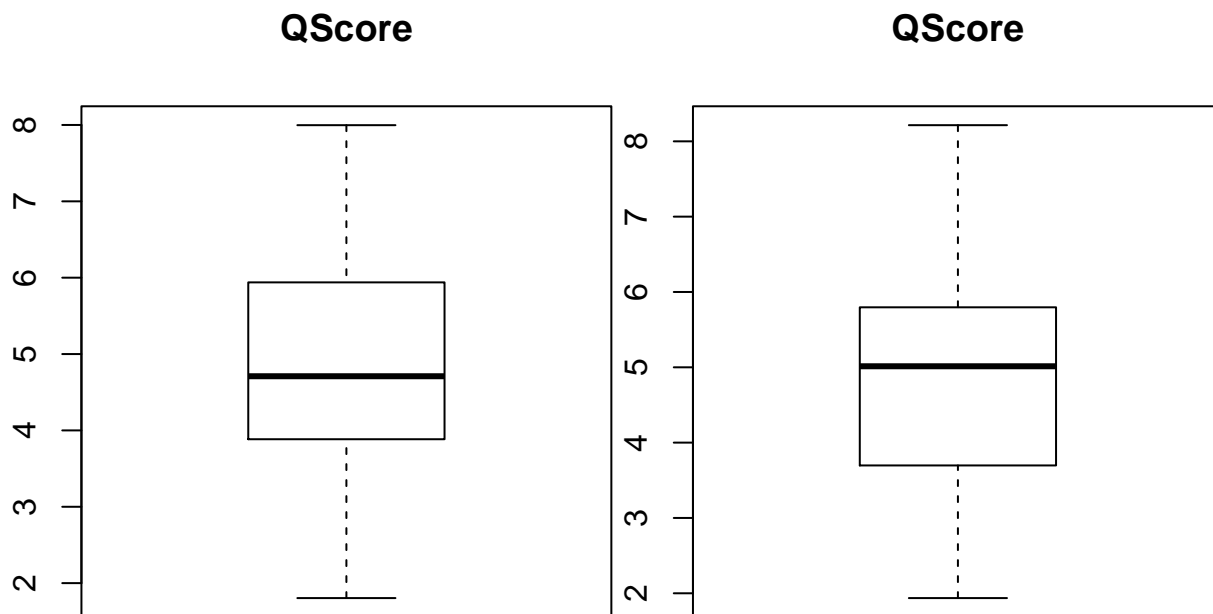
## [1] "0.00191855543877401   0.296638506051925"
## [1] "Spearman ver"

```

```
## Warning in cor.test.default(dataSeg$qscore, dataSeg$ver, method =
## "spearman"): Cannot compute exact p-value with ties
```

```
## [1] "0.403868909935684 -0.0815196039614295"
## [1] "Kendall red"
## [1] "0.0853834860660355 -0.112778017791098"
## [1] "Kendall green"
## [1] "0.165610883432086 -0.0908930816313228"
## [1] "Kendall blue"
## [1] "0.273211905724519 -0.0718320082018415"
## [1] "Kendall diag"
## [1] "0.830862356560256 -0.0144062677003331"
## [1] "Kendall hor"
## [1] "0.00290123033967249 0.195943790498403"
## [1] "Kendall ver"
## [1] "0.463623775489058 -0.0495029117684663"
```

```
## pdf
## 2
```



Regressões

Geral

```
## [1] ">>>> Regressao Agradavel: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
```

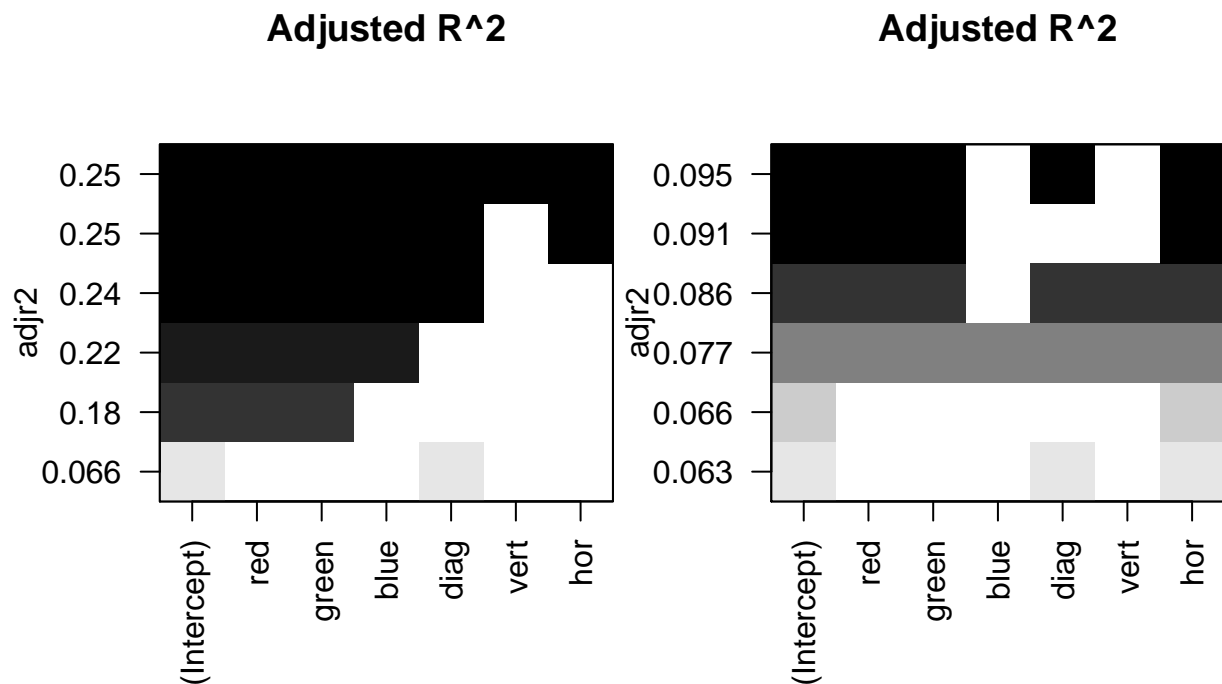
```

## (Intercept)          red          green          blue          diag
##    4.565124   -0.197583    0.259851   -0.061956   -0.019681
##          hor          vert
##   -0.004546    0.010199
##
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.93197 -0.63625 -0.00591  0.57734  2.00778
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  4.565124   1.286860   3.547 0.000592 ***
## red         -0.197583   0.037432  -5.278 7.48e-07 ***
## green        0.259851   0.060827   4.272 4.39e-05 ***
## blue        -0.061956   0.034727  -1.784 0.077408 .
## diag        -0.019681   0.008539  -2.305 0.023226 *
## hor         -0.004546   0.002435  -1.867 0.064826 .
## vert         0.010199   0.008774   1.163 0.247771
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.8085 on 101 degrees of freedom
## Multiple R-squared:  0.2943, Adjusted R-squared:  0.2524
## F-statistic:  7.02 on 6 and 101 DF, p-value: 2.911e-06

## [1] ">>>> Regressao Seguro: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)          red          green          blue          diag
##    4.4248621   -0.0634971    0.0588394    0.0035299    0.0070742
##          hor          vert
##    0.0047938    0.0009279
##
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.21984 -0.48741  0.04953  0.44608  1.34158
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  4.4248621  1.0175049   4.349 3.28e-05 ***

```

```
## red          -0.0634971  0.0295973  -2.145   0.0343 *
## green         0.0588394  0.0480956   1.223   0.2240
## blue          0.0035299  0.0274580   0.129   0.8980
## diag          0.0070742  0.0067520   1.048   0.2973
## hor           0.0047938  0.0019253   2.490   0.0144 *
## vert          0.0009279  0.0069373   0.134   0.8939
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.6393 on 101 degrees of freedom
## Multiple R-squared:  0.1287, Adjusted R-squared:  0.07694
## F-statistic: 2.486 on 6 and 101 DF,  p-value: 0.02764
```



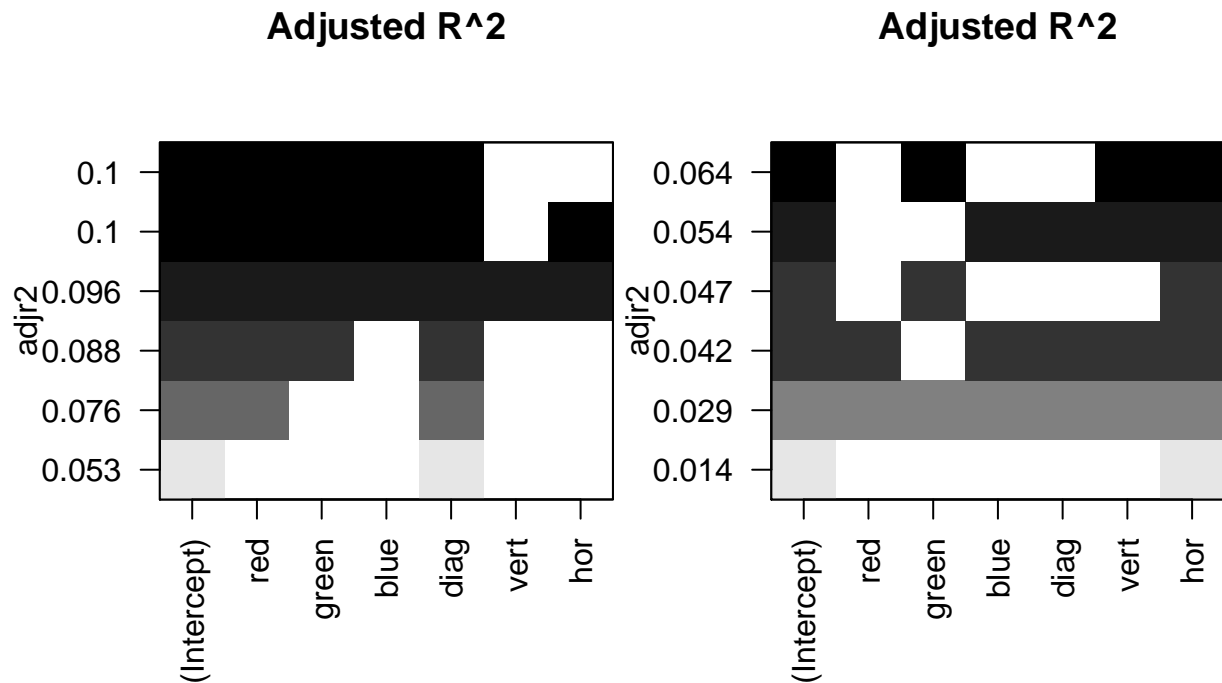
Adulto

```
## [1] ">>>> Regressao Agradavel: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)      red      green      blue      diag
##  7.991203   -0.237902   0.370065  -0.165281  -0.037364
##      hor      vert
##  0.004195   0.009702
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
```

```
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -3.4544 -1.3351 -0.0421  1.2140  3.8318
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  7.991203   2.933328   2.724  0.00766 **
## red         -0.237902   0.092848  -2.562  0.01195 *
## green        0.370065   0.160185   2.310  0.02302 *
## blue        -0.165281   0.091936  -1.798  0.07535 .
## diag        -0.037364   0.019894  -1.878  0.06340 .
## hor          0.004195   0.005544   0.757  0.45114
## vert         0.009702   0.021232   0.457  0.64873
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.819 on 96 degrees of freedom
## Multiple R-squared:  0.1495, Adjusted R-squared:  0.09634
## F-statistic: 2.812 on 6 and 96 DF,  p-value: 0.01451

## [1] ">>> Regressao Seguro: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)          red          green          blue          diag
##   9.747551   -0.009046   -0.010505   -0.024777    0.007828
##          hor          vert
##   0.014354   -0.037825
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -3.9313 -1.2267  0.1173  1.0785  3.3969
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  9.747551   3.355016   2.905  0.00484 **
## red         -0.009046   0.104729  -0.086  0.93140
## green        -0.010505   0.151462  -0.069  0.94489
## blue        -0.024777   0.082274  -0.301  0.76414
## diag         0.007828   0.020686   0.378  0.70618
## hor          0.014354   0.005910   2.429  0.01758 *
## vert        -0.037825   0.024013  -1.575  0.11948
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
```

```
## Residual standard error: 1.67 on 74 degrees of freedom
## Multiple R-squared:  0.1019, Adjusted R-squared:  0.02906
## F-statistic: 1.399 on 6 and 74 DF,  p-value: 0.2265
```



Jovem

```
## [1] ">>>> Regressao Agradavel: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)      red      green      blue      diag
##  2.9121900  -0.2092158   0.3558928  -0.1355609  -0.0124690
##      hor      vert
## -0.0038429  -0.0003493
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -3.2971 -0.5619 -0.0061  0.5062  2.7577
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  2.9121900  1.6784003   1.735 0.085932 .
## red         -0.2092158  0.0531258  -3.938 0.000156 ***
```

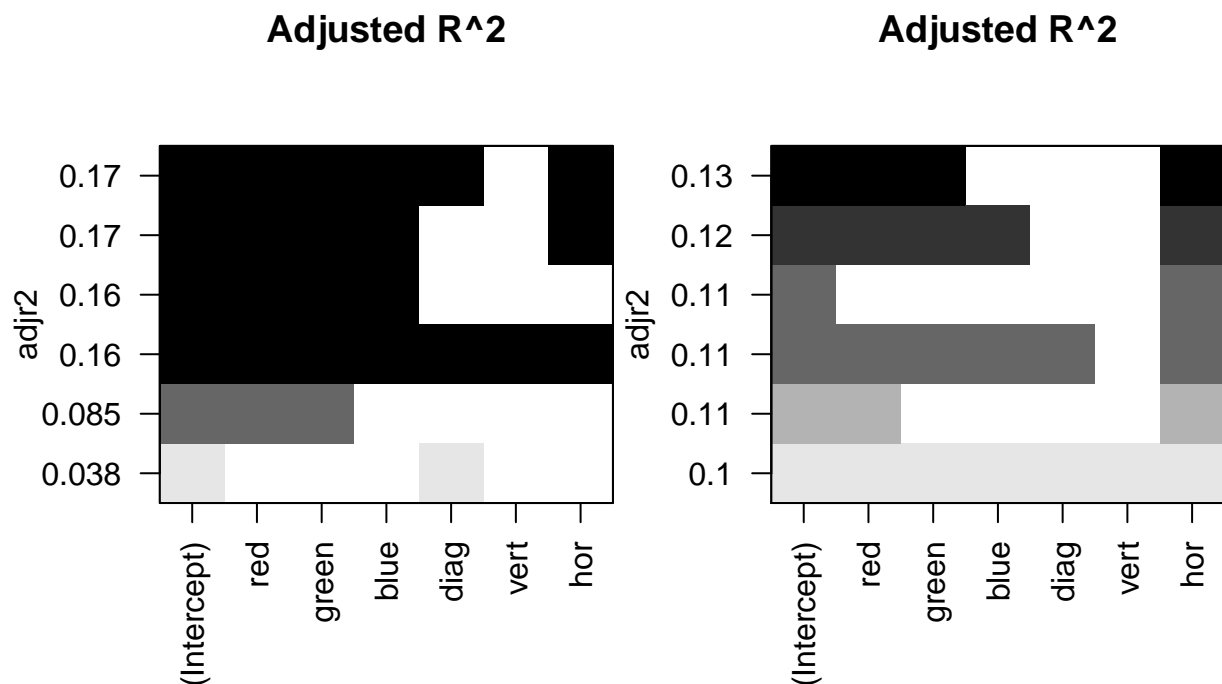


```

## green      0.3558928  0.0916553   3.883 0.000189 ***
## blue      -0.1355609  0.0526040  -2.577 0.011488 *
## diag      -0.0124690  0.0113833  -1.095 0.276091
## hor       -0.0038429  0.0031721  -1.211 0.228697
## vert      -0.0003493  0.0121487  -0.029 0.977119
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.041 on 96 degrees of freedom
## Multiple R-squared:  0.2091, Adjusted R-squared:  0.1596
## F-statistic: 4.229 on 6 and 96 DF,  p-value: 0.0008053

## [1] ">>> Regressao Seguro: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)      red      green      blue      diag
##   4.491515  -0.090704   0.116020  -0.028970   0.006509
##      hor      vert
##   0.008473   0.003860
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.87761 -0.47441 -0.03708  0.50024  2.37409
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  4.491515   1.629708   2.756  0.00736 **
## red         -0.090704   0.050872  -1.783  0.07869 .
## green        0.116020   0.073573   1.577  0.11908
## blue        -0.028970   0.039965  -0.725  0.47080
## diag         0.006509   0.010048   0.648  0.51914
## hor          0.008473   0.002871   2.951  0.00424 **
## vert         0.003860   0.011665   0.331  0.74163
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.811 on 74 degrees of freedom
## Multiple R-squared:  0.1707, Adjusted R-squared:  0.1035
## F-statistic: 2.539 on 6 and 74 DF,  p-value: 0.02727

```



Baixa

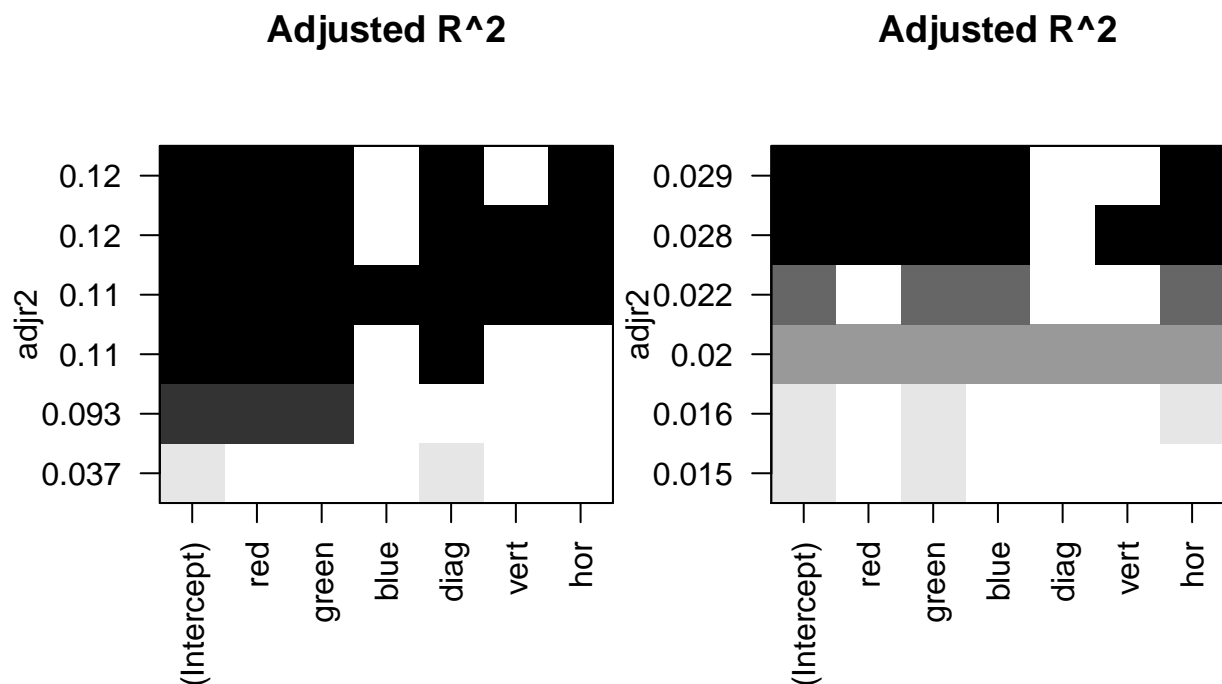
```
## [1] ">>>> Regressao Agradavel: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)      red      green      blue      diag
##   4.983040  -0.173401   0.201460  -0.028102  -0.020647
##      hor      vert
##  -0.005034   0.009207
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##    Min     1Q  Median     3Q    Max
## -3.1864 -0.6211 -0.0344  0.6647  2.4449
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  4.983040   1.735590   2.871  0.004984 **
## red         -0.173401   0.050485  -3.435  0.000862 ***
## green        0.201460   0.082038   2.456  0.015769 *
## blue        -0.028102   0.046836  -0.600  0.549839
## diag        -0.020647   0.011517  -1.793  0.076007 .
## hor         -0.005034   0.003284  -1.533  0.128399
```

```

## vert          0.009207   0.011833   0.778 0.438353
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.09 on 101 degrees of freedom
## Multiple R-squared:  0.1637, Adjusted R-squared:  0.114
## F-statistic: 3.294 on 6 and 101 DF,  p-value: 0.005302

## [1] ">>> Regressao Seguro: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)          red          green          blue          diag
##    1.387015   -0.068722    0.161543   -0.072663   -0.005209
##          hor          vert
##    0.003261    0.011544
##
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -3.0242 -0.6455  0.1965  0.5617  3.2912
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  1.387015   1.724431   0.804   0.4231
## red         -0.068722   0.050160  -1.370   0.1737
## green        0.161543   0.081511   1.982   0.0502 .
## blue        -0.072663   0.046535  -1.561   0.1215
## diag        -0.005209   0.011443  -0.455   0.6499
## hor          0.003261   0.003263   0.999   0.3200
## vert         0.011544   0.011757   0.982   0.3285
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.083 on 101 degrees of freedom
## Multiple R-squared:  0.07495, Adjusted R-squared:  0.01999
## F-statistic: 1.364 on 6 and 101 DF,  p-value: 0.2365

```



Media

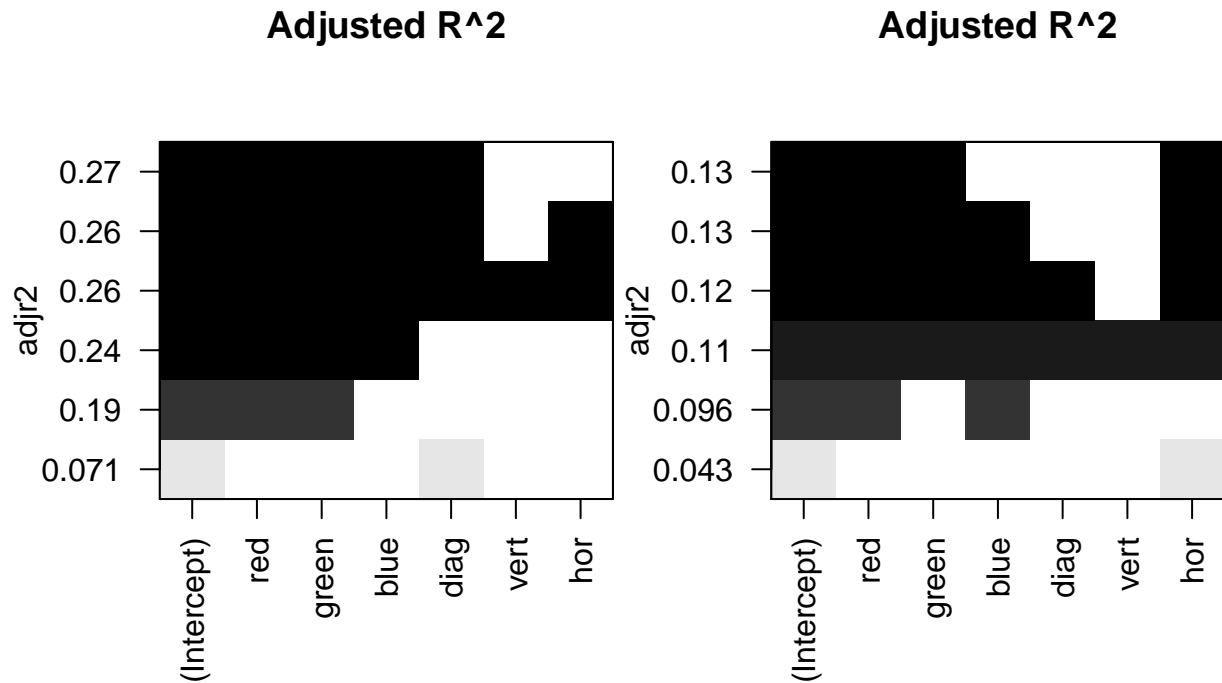
```
## [1] ">>>> Regressao Agradavel: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)      red      green      blue      diag
##   3.706588   -0.246277   0.348010  -0.097033  -0.021698
##      hor      vert
##  -0.002651   0.003931
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.25839 -0.64907 -0.00054  0.69022  2.70873
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  3.706588   1.561342   2.374   0.0195 *
## red         -0.246277   0.045416  -5.423 4.02e-07 ***
## green        0.348010   0.073802   4.715 7.75e-06 ***
## blue        -0.097033   0.042134  -2.303   0.0233 *
## diag        -0.021698   0.010361  -2.094   0.0387 *
## hor         -0.002651   0.002954  -0.897   0.3716
```

```

## vert          0.003931  0.010645  0.369  0.7127
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.981 on 101 degrees of freedom
## Multiple R-squared:  0.2982, Adjusted R-squared:  0.2565
## F-statistic: 7.153 on 6 and 101 DF,  p-value: 2.254e-06

## [1] ">>> Regressao Seguro: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)          red          green          blue          diag
##   5.890150   -0.137773    0.097794    0.028414    0.003504
##          hor          vert
##   0.006073   -0.001116
##
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.1134 -0.6446  0.1076  0.6574  2.3050
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  5.890150   1.542572   3.818 0.000232 ***
## red         -0.137773   0.044870  -3.070 0.002746 **
## green         0.097794   0.072915   1.341 0.182860
## blue         0.028414   0.041627   0.683 0.496441
## diag         0.003504   0.010236   0.342 0.732828
## hor          0.006073   0.002919   2.081 0.040005 *
## vert        -0.001116   0.010517  -0.106 0.915737
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.9692 on 101 degrees of freedom
## Multiple R-squared:  0.1607, Adjusted R-squared:  0.1108
## F-statistic: 3.223 on 6 and 101 DF,  p-value: 0.006146

```



Feminino

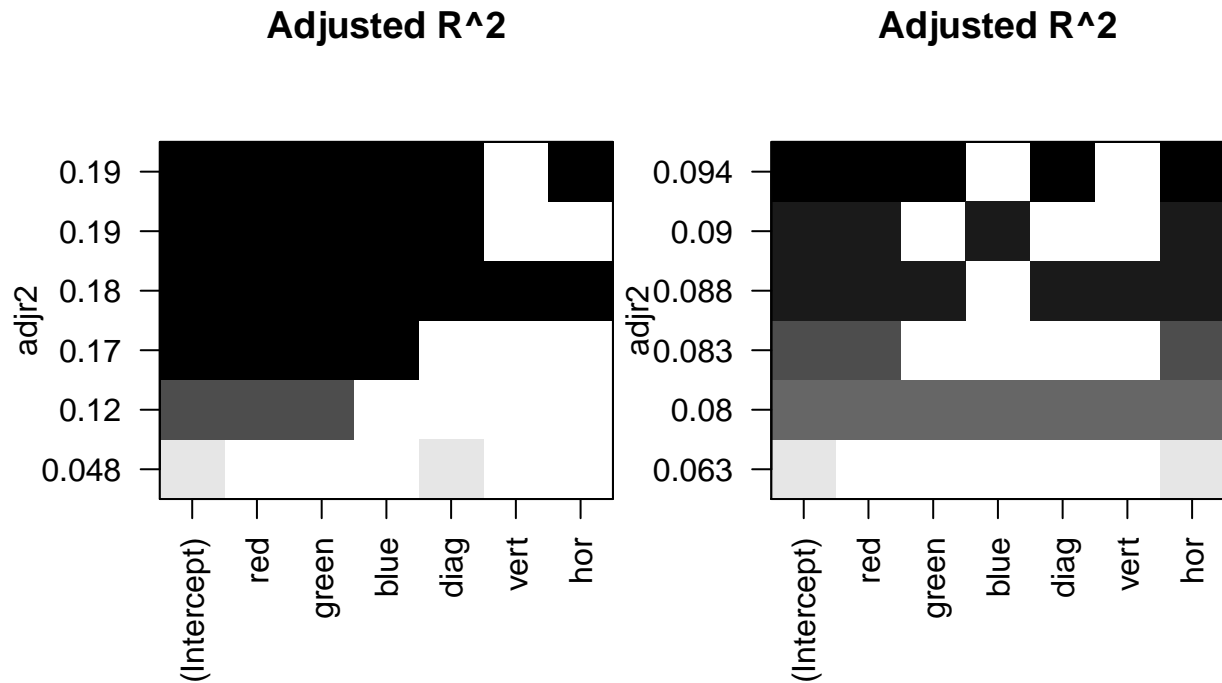
```
## [1] ">>>> Regressao Agradavel: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)      red      green      blue      diag
##   5.126937  -0.228844   0.331050  -0.107171  -0.018710
##      hor      vert
##  -0.003909  -0.004145
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.63807 -0.74612 -0.02852  0.75888  2.75349
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  5.126937   1.838288   2.789 0.006320 **
## red         -0.228844   0.053472  -4.280 4.26e-05 ***
## green        0.331050   0.086892   3.810 0.000239 ***
## blue        -0.107171   0.049607  -2.160 0.033108 *
## diag        -0.018710   0.012199  -1.534 0.128200
## hor         -0.003909   0.003478  -1.124 0.263713
```

```

## vert          -0.004145   0.012533  -0.331 0.741569
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.155 on 101 degrees of freedom
## Multiple R-squared:  0.2299, Adjusted R-squared:  0.1841
## F-statistic: 5.025 on 6 and 101 DF,  p-value: 0.0001519

## [1] ">>> Regressao Seguro: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)          red          green          blue          diag
##    7.167908   -0.075625    0.033743    0.018246    0.015939
##          hor          vert
##    0.010028   -0.007574
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.68444 -0.57724 -0.02904  0.68048  2.98733
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  7.167908   1.845112   3.885 0.000187 ***
## red         -0.075625   0.051400  -1.471 0.144448
## green         0.033743   0.083970   0.402 0.688678
## blue         0.018246   0.048206   0.378 0.705893
## diag         0.015939   0.011794   1.351 0.179689
## hor          0.010028   0.003379   2.967 0.003782 **
## vert        -0.007574   0.012117  -0.625 0.533408
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.108 on 97 degrees of freedom
## Multiple R-squared:  0.1338, Adjusted R-squared:  0.08019
## F-statistic: 2.497 on 6 and 97 DF,  p-value: 0.02736

```



Masculino

```
## [1] ">>>> Regressao Agradavel: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)      red      green      blue      diag
##   4.455848   -0.215464   0.285074  -0.068810  -0.017636
##      hor      vert
##  -0.004116   0.007195
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.10546 -0.65448 -0.03533  0.68241  2.16607
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  4.455848   1.442091   3.090  0.00259 **
## red         -0.215464   0.041948  -5.136 1.37e-06 ***
## green        0.285074   0.068165   4.182 6.16e-05 ***
## blue        -0.068810   0.038916  -1.768  0.08005 .
## diag        -0.017636   0.009569  -1.843  0.06827 .
## hor         -0.004116   0.002729  -1.508  0.13457
```

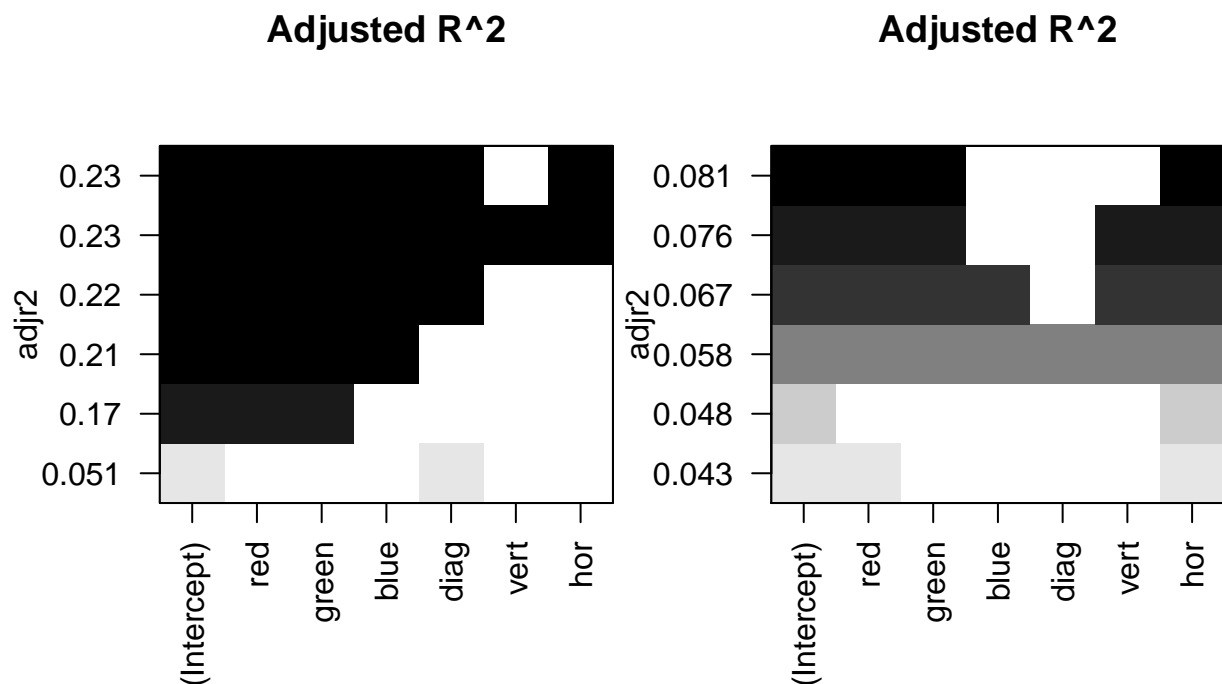


```

## vert          0.007195   0.009832   0.732   0.46600
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.906 on 101 degrees of freedom
## Multiple R-squared:  0.2693, Adjusted R-squared:  0.2259
## F-statistic: 6.203 on 6 and 101 DF,  p-value: 1.434e-05

## [1] ">>> Regressao Seguro: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)          red          green          blue          diag
##   4.681363   -0.082593    0.091197   -0.012000    0.002327
##          hor          vert
##   0.004800    0.004466
##
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.85671 -0.51575  0.08357  0.54590  1.46146
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  4.681363   1.223179   3.827  0.00023 ***
## red         -0.082593   0.034075  -2.424  0.01721 *
## green        0.091197   0.055666   1.638  0.10460
## blue        -0.012000   0.031957  -0.375  0.70811
## diag         0.002327   0.007818   0.298  0.76665
## hor          0.004800   0.002240   2.143  0.03465 *
## vert         0.004466   0.008033   0.556  0.57951
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.7345 on 97 degrees of freedom
## Multiple R-squared:  0.1133, Adjusted R-squared:  0.0584
## F-statistic: 2.065 on 6 and 97 DF,  p-value: 0.06435

```



Solteiro

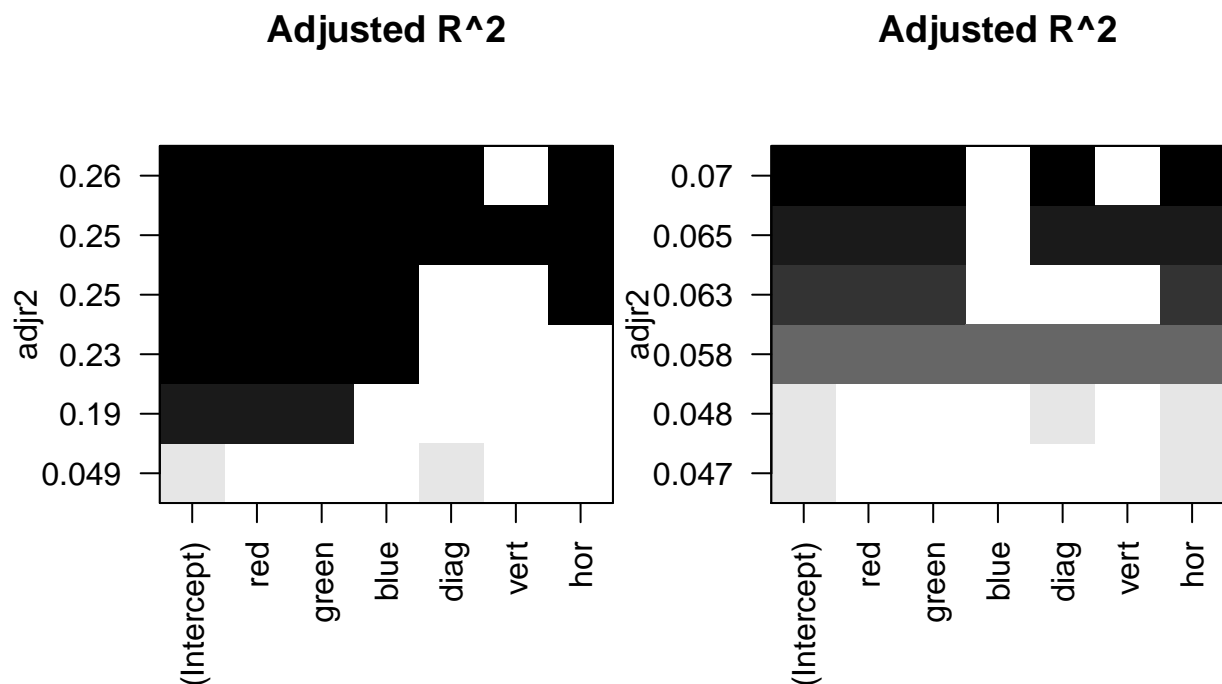
```
## [1] ">>>> Regressao Agradavel: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)      red      green      blue      diag
##  3.4222722  -0.2211237   0.3066778  -0.0772798  -0.0143422
##      hor      vert
## -0.0043441   0.0002473
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.07464 -0.65480  0.03152  0.64451  2.17335
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  3.4222722   1.4311292   2.391  0.0187 *
## red         -0.2211237   0.0416967  -5.303 6.83e-07 ***
## green        0.3066778   0.0681433   4.500 1.83e-05 ***
## blue        -0.0772798   0.0389783  -1.983  0.0502 .
## diag        -0.0143422   0.0096631  -1.484  0.1409
## hor         -0.0043441   0.0027206  -1.597  0.1135
```

```

## vert          0.0002473  0.0104396  0.024  0.9812
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.8982 on 100 degrees of freedom
## Multiple R-squared:  0.2914, Adjusted R-squared:  0.2488
## F-statistic: 6.853 on 6 and 100 DF,  p-value: 4.111e-06

## [1] ">>> Regressao Seguro: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)          red          green          blue          diag
##   3.297596   -0.072185    0.094480   -0.015913    0.009205
##          hor          vert
##   0.004423    0.005549
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.93566 -0.56810  0.03265  0.52982  1.48095
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  3.297596   1.198963   2.750  0.00707 **
## red          -0.072185   0.037002  -1.951  0.05388 .
## green         0.094480   0.059462   1.589  0.11524
## blue         -0.015913   0.032861  -0.484  0.62925
## diag         0.009205   0.007998   1.151  0.25253
## hor          0.004423   0.002268   1.950  0.05393 .
## vert         0.005549   0.008206   0.676  0.50051
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.753 on 100 degrees of freedom
## Multiple R-squared:  0.111, Adjusted R-squared:  0.05761
## F-statistic:  2.08 on 6 and 100 DF,  p-value: 0.06215

```



Casado

```
## [1] ">>>> Regressao Agradavel: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)      red      green      blue      diag
##   8.007985  -0.299523   0.411360  -0.142434  -0.006573
##      hor      vert
##  -0.004089  -0.004533
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##    Min       1Q   Median       3Q      Max
## -3.2941 -0.8104 -0.0341  0.8492  3.0323
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  8.007985   2.198076   3.643 0.000429 ***
## red         -0.299523   0.064042  -4.677 9.13e-06 ***
## green        0.411360   0.104661   3.930 0.000156 ***
## blue        -0.142434   0.059867  -2.379 0.019249 *
## diag        -0.006573   0.014842  -0.443 0.658808
## hor         -0.004089   0.004179  -0.979 0.330123
```

```

## vert          -0.004533   0.016034  -0.283 0.777986
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.38 on 100 degrees of freedom
## Multiple R-squared:  0.2491, Adjusted R-squared:  0.2041
## F-statistic: 5.529 on 6 and 100 DF,  p-value: 5.562e-05

## [1] ">>> Regressao Seguro: qscore = red + green + blue + diag + hor + vert"
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Coefficients:
## (Intercept)          red          green          blue          diag
##      9.14669      -0.04259      -0.03505       0.04001       0.01510
##           hor           vert
##      0.01250      -0.01534
##
##
## Call:
## lm(formula = qscore ~ red + green + blue + diag + hor + vert,
##     data = dados)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.9251 -0.9886 -0.1052  0.8775  3.5513
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  9.146688   2.293825   3.988 0.000127 ***
## red         -0.042592   0.070792  -0.602 0.548770
## green       -0.035052   0.113761  -0.308 0.758630
## blue         0.040009   0.062868   0.636 0.525976
## diag         0.015101   0.015302   0.987 0.326103
## hor          0.012497   0.004339   2.880 0.004861 **
## vert        -0.015336   0.015700  -0.977 0.331013
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.441 on 100 degrees of freedom
## Multiple R-squared:  0.1195, Adjusted R-squared:  0.06671
## F-statistic: 2.263 on 6 and 100 DF,  p-value: 0.04334

```

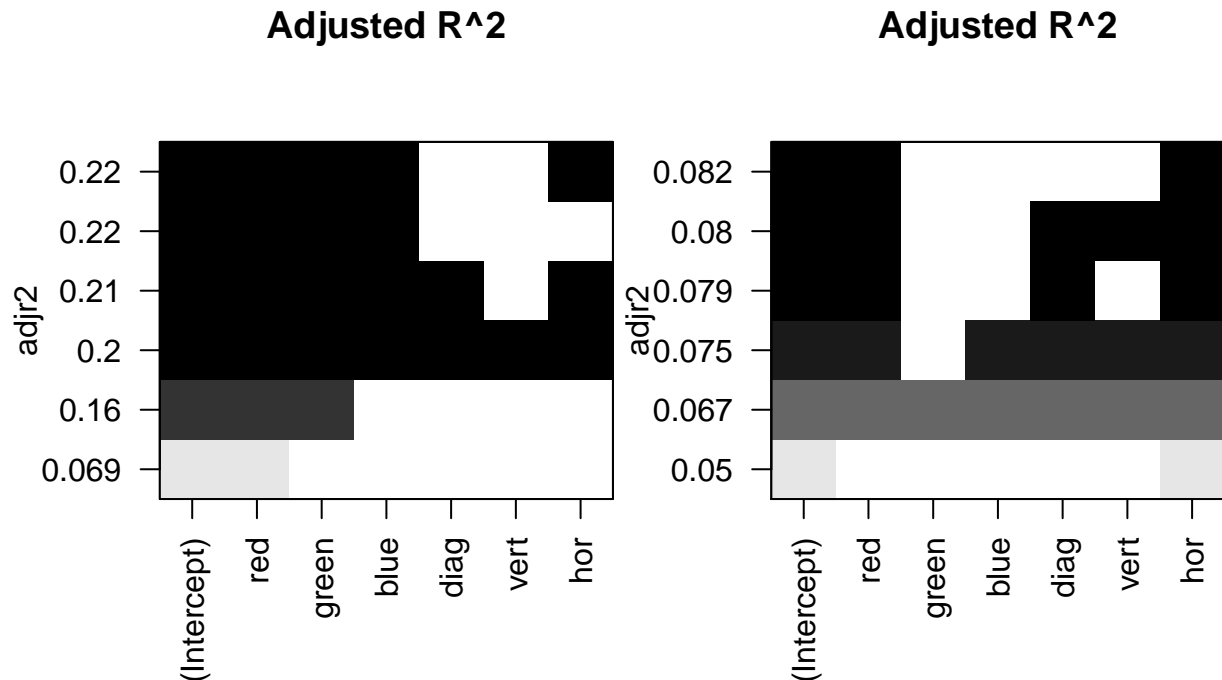


Tabela com Modelos para Agradavel

```
##
## \begin{table}
## \begin{center}
## \begin{tabular}{l c c c c c }
## \hline
##          & Geral & Adulto & Jovem & Baixa & Media \\
## \hline
## (Intercept) & $4.57^{\text{***}}$ & $7.99^{\text{**}}$ & $2.91$ & $4.98^{\text{**}}$ & $3.71^{\text{*}}$ \\
##          & $(1.29)$ & $(2.93)$ & $(1.68)$ & $(1.74)$ & $(1.56)$ \\
## red        & $-0.20^{\text{***}}$ & $-0.24^{\text{*}}$ & $-0.21^{\text{***}}$ & $-0.17^{\text{***}}$ & $-0.25^{\text{***}}$ \\
##          & $(0.04)$ & $(0.09)$ & $(0.05)$ & $(0.05)$ & $(0.05)$ \\
## green      & $0.26^{\text{***}}$ & $0.37^{\text{*}}$ & $0.36^{\text{***}}$ & $0.20^{\text{*}}$ & $0.35^{\text{***}}$ \\
##          & $(0.06)$ & $(0.16)$ & $(0.09)$ & $(0.08)$ & $(0.07)$ \\
## blue       & $-0.06$ & $-0.17$ & $-0.14^{\text{*}}$ & $-0.03$ & $-0.10^{\text{*}}$ \\
##          & $(0.03)$ & $(0.09)$ & $(0.05)$ & $(0.05)$ & $(0.04)$ \\
## diag       & $-0.02^{\text{*}}$ & $-0.04$ & $-0.01$ & $-0.02$ & $-0.02^{\text{*}}$ \\
##          & $(0.01)$ & $(0.02)$ & $(0.01)$ & $(0.01)$ & $(0.01)$ \\
## hor        & $-0.00$ & $0.00$ & $-0.00$ & $-0.01$ & $-0.00$ \\
##          & $(0.00)$ & $(0.01)$ & $(0.00)$ & $(0.00)$ & $(0.00)$ \\
## vert       & $0.01$ & $0.01$ & $-0.00$ & $0.01$ & $0.00$ \\
##          & $(0.01)$ & $(0.02)$ & $(0.01)$ & $(0.01)$ & $(0.01)$ \\
## \hline
## R$^2$      & 0.29 & 0.15 & 0.21 & 0.16 & 0.30 \\
## Adj. R$^2$ & 0.25 & 0.10 & 0.16 & 0.11 & 0.26 \\
## Num. obs.  & 108 & 103 & 103 & 108 & 108 \\
## RMSE       & 0.81 & 1.82 & 1.04 & 1.09 & 0.98 \\
## \hline
## \multicolumn{6}{l}{\scriptsize$^{\text{***}}p<0.001$, $^{\text{**}}p<0.01$, $^{\text{*}}p<0.05$}
```

```

## \caption{Modelo de Regressão para Agradável}
## \label{table:coefficients}
## \end{center}
## \end{table}

##
## \begin{table}
## \begin{center}
## \begin{tabular}{l c c c c c }
## \hline
##          & Geral & Feminino & Masculino & Solteiro & Casado \\
## \hline
## (Intercept) & $4.57^{\***}$ & $5.13^{**}$ & $4.46^{**}$ & $3.42^{*}$ & $8.01^{\***}$ \\
##          & $(1.29)$ & $(1.84)$ & $(1.44)$ & $(1.43)$ & $(2.20)$ \\
## red          & $-0.20^{\***}$ & $-0.23^{\***}$ & $-0.22^{\***}$ & $-0.22^{\***}$ & $-0.30^{\***}$ \\
##          & $(0.04)$ & $(0.05)$ & $(0.04)$ & $(0.04)$ & $(0.06)$ \\
## green        & $0.26^{\***}$ & $0.33^{\***}$ & $0.29^{\***}$ & $0.31^{\***}$ & $0.41^{\***}$ \\
##          & $(0.06)$ & $(0.09)$ & $(0.07)$ & $(0.07)$ & $(0.10)$ \\
## blue         & $-0.06$ & $-0.11^{*}$ & $-0.07$ & $-0.08$ & $-0.14^{*}$ \\
##          & $(0.03)$ & $(0.05)$ & $(0.04)$ & $(0.04)$ & $(0.06)$ \\
## diag         & $-0.02^{*}$ & $-0.02$ & $-0.02$ & $-0.01$ & $-0.01$ \\
##          & $(0.01)$ & $(0.01)$ & $(0.01)$ & $(0.01)$ & $(0.01)$ \\
## hor          & $-0.00$ & $-0.00$ & $-0.00$ & $-0.00$ & $-0.00$ \\
##          & $(0.00)$ & $(0.00)$ & $(0.00)$ & $(0.00)$ & $(0.00)$ \\
## vert         & $0.01$ & $-0.00$ & $0.01$ & $0.00$ & $-0.00$ \\
##          & $(0.01)$ & $(0.01)$ & $(0.01)$ & $(0.01)$ & $(0.02)$ \\
## \hline
## R$^2$        & 0.29 & 0.23 & 0.27 & 0.29 & 0.25 \\
## Adj. R$^2$   & 0.25 & 0.18 & 0.23 & 0.25 & 0.20 \\
## Num. obs.    & 108 & 108 & 108 & 107 & 107 \\
## RMSE         & 0.81 & 1.15 & 0.91 & 0.90 & 1.38 \\
## \hline
## \multicolumn{6}{l}{\scriptsize $^{\***}$p<0.001$, $^{**}$p<0.01$, $^{*}$p<0.05$} }
## \end{tabular}
## \end{center}
## \caption{Modelo de Regressão para Agradável}
## \label{table:coefficients}
## \end{center}
## \end{table}

```

Tabelas com Modelos para Seguro

```

##
## \begin{table}
## \begin{center}
## \begin{tabular}{l c c c c c }
## \hline
##          & Geral & Adulto & Jovem & Baixa & Media \\
## \hline
## (Intercept) & $4.42^{\***}$ & $9.75^{**}$ & $4.49^{**}$ & $1.39$ & $5.89^{\***}$ \\
##          & $(1.02)$ & $(3.36)$ & $(1.63)$ & $(1.72)$ & $(1.54)$ \\
## red          & $-0.06^{*}$ & $-0.01$ & $-0.09$ & $-0.07$ & $-0.14^{**}$ \\
##          & $(0.03)$ & $(0.10)$ & $(0.05)$ & $(0.05)$ & $(0.04)$ \\
## green        & $0.06$ & $-0.01$ & $0.12$ & $0.16$ & $0.10$ \\

```

```

##          & $(0.05)$      & $(0.15)$      & $(0.07)$      & $(0.08)$ & $(0.07)$      \\
## blue    & $0.00$        & $-0.02$      & $-0.03$      & $-0.07$ & $0.03$        \\
##          & $(0.03)$      & $(0.08)$      & $(0.04)$      & $(0.05)$ & $(0.04)$      \\
## diag    & $0.01$        & $0.01$        & $0.01$        & $-0.01$ & $0.00$        \\
##          & $(0.01)$      & $(0.02)$      & $(0.01)$      & $(0.01)$ & $(0.01)$      \\
## hor      & $0.00^{*}$      & $0.01^{*}$    & $0.01^{**}$   & $0.00$   & $0.01^{*}$    \\
##          & $(0.00)$      & $(0.01)$      & $(0.00)$      & $(0.00)$ & $(0.00)$      \\
## vert     & $0.00$        & $-0.04$      & $0.00$        & $0.01$   & $-0.00$      \\
##          & $(0.01)$      & $(0.02)$      & $(0.01)$      & $(0.01)$ & $(0.01)$      \\
## \hline
## R$^2$    & 0.13          & 0.10         & 0.17          & 0.07     & 0.16          \\
## Adj. R$^2$ & 0.08          & 0.03         & 0.10          & 0.02     & 0.11          \\
## Num. obs. & 108           & 81           & 81            & 108      & 108           \\
## RMSE      & 0.64          & 1.67         & 0.81          & 1.08     & 0.97          \\
## \hline
## \multicolumn{6}{l}{\scriptsize{$^{***}$p<0.001$, $^{**}$p<0.01$, $^{*}$p<0.05$}}
## \end{tabular}
## \caption{Modelo de Regressão para Seguro}
## \label{table:coefficients}
## \end{center}
## \end{table}

##
## \begin{table}
## \begin{center}
## \begin{tabular}{l c c c c c }
## \hline
##          & Geral & Feminino & Masculino & Solteiro & Casado \\
## \hline
## (Intercept) & $4.42^{***}$ & $7.17^{***}$ & $4.68^{***}$ & $3.30^{**}$ & $9.15^{***}$ \\
##          & $(1.02)$ & $(1.85)$ & $(1.22)$ & $(1.20)$ & $(2.29)$ \\
## red          & $-0.06^{*}$ & $-0.08$ & $-0.08^{*}$ & $-0.07$ & $-0.04$ \\
##          & $(0.03)$ & $(0.05)$ & $(0.03)$ & $(0.04)$ & $(0.07)$ \\
## green        & $0.06$ & $0.03$ & $0.09$ & $0.09$ & $-0.04$ \\
##          & $(0.05)$ & $(0.08)$ & $(0.06)$ & $(0.06)$ & $(0.11)$ \\
## blue         & $0.00$ & $0.02$ & $-0.01$ & $-0.02$ & $0.04$ \\
##          & $(0.03)$ & $(0.05)$ & $(0.03)$ & $(0.03)$ & $(0.06)$ \\
## diag         & $0.01$ & $0.02$ & $0.00$ & $0.01$ & $0.02$ \\
##          & $(0.01)$ & $(0.01)$ & $(0.01)$ & $(0.01)$ & $(0.02)$ \\
## hor          & $0.00^{*}$ & $0.01^{**}$ & $0.00^{*}$ & $0.00$ & $0.01^{**}$ \\
##          & $(0.00)$ & $(0.00)$ & $(0.00)$ & $(0.00)$ & $(0.00)$ \\
## vert         & $0.00$ & $-0.01$ & $0.00$ & $0.01$ & $-0.02$ \\
##          & $(0.01)$ & $(0.01)$ & $(0.01)$ & $(0.01)$ & $(0.02)$ \\
## \hline
## R$^2$        & 0.13          & 0.13         & 0.11          & 0.11     & 0.12          \\
## Adj. R$^2$   & 0.08          & 0.08         & 0.06          & 0.06     & 0.07          \\
## Num. obs.    & 108           & 104          & 104           & 107      & 107           \\
## RMSE         & 0.64          & 1.11         & 0.73          & 0.75     & 1.44          \\
## \hline
## \multicolumn{6}{l}{\scriptsize{$^{***}$p<0.001$, $^{**}$p<0.01$, $^{*}$p<0.05$}}
## \end{tabular}
## \caption{Modelo de Regressão para Seguro}
## \label{table:coefficients}
## \end{center}

```


\end{table}