# Consurf

Calcul var

moyenne\_consurf\_interface1 moyenne\_consurf\_interface2 moyenne\_consurf\_surface

0.119045138 0.102997607 0.008956752

Pas meme var

Test normalite distrivution (shapiro) un des deux

Shapiro-Wilk normality test

data: InterfaceScoreConsurf$moyenne\_consurf\_interface1

W = 0.97473, p-value = 0.4692

Sort pas de la normalite

Shapiro-Wilk normality test

data: InterfaceScoreConsurf$moyenne\_consurf\_interface2

W = 0.8139, p-value = 8.882e-06

Sort de la normalite

Test de wilson

data: InterfaceScoreConsurf$moyenne\_consurf\_interface2 and InterfaceScoreConsurf$moyenne\_consurf\_interface1

W = 1424, p-value = 1.047e-06

Difference significative

# Taille :

Calcul var

taille\_interface1 taille\_interface2

0.014831556 0.003191318

Pas meme variane

Test normalite distrivution (shapiro) un des deux

Shapiro-Wilk normality test

data: taillepre$taille\_interface1

W = 0.81195, p-value = 8.042e-06

Sort de la normalite

Shapiro-Wilk normality test

data: taillepre$taille\_interface2

W = 0.9613, p-value = 0.5427

Sorty pas de la normalite

Test de wilson

Wilcoxon rank sum exact test

data: taillepre$taille\_interface1 and taillepre$taille\_interface2

W = 705, p-value = 6.528e-05

Difference significative

# Pourcentages types :

HP\_surface HP\_interface1 HP\_interface2 POL\_surface POL\_interface1

0.0011268081 0.0021910020 0.0080007200 0.0003564564 0.0012393572

POL\_interface2 CHG\_surface CHG\_interface1 CHG\_interface2

0.0012330457 0.0004857393 0.0011850941 0.0056838331

Pol a l’air meme variance, reste non

# Pol:

var

Test normalite distrivution (shapiro) un des deux

Shapiro-Wilk normality test

data: freqType$POL\_interface1

W = 0.96597, p-value = 0.2404

Sort pas normalite

> shapiro.test(freqType$POL\_interface2)

Shapiro-Wilk normality test

data: freqType$POL\_interface2

W = 0.95375, p-value = 0.4001

Sort pas de la normalite

Test de student

ata: freqType$POL\_interface2 and freqType$POL\_interface1

t = 0.33272, df = 40.201, p-value = 0.7411

pas de difference significative

# Chg:

var

Test normalite distrivution (shapiro) un des deux

shapiro.test(freqType$CHG\_interface1)

Shapiro-Wilk normality test

data: freqType$CHG\_interface1

W = 0.9165, p-value = 0.004664

Sort normalite

> shapiro.test(freqType$CHG\_interface2)

Shapiro-Wilk normality test

data: freqType$CHG\_interface2

W = 0.78458, p-value = 0.0003848

Sort normalite

Test de wilson

Wilcoxon rank sum test with continuity correction

data: freqType$CHG\_interface2 and freqType$CHG\_interface1

W = 581.5, p-value = 0.04105

Difference significative

# Hp :

Var

Test normalite distrivution (shapiro) un des deux

Shapiro-Wilk normality test

data: freqType$HP\_interface2

W = 0.64838, p-value = 6.684e-06

Sort normalite

> shapiro.test(freqType$HP\_interface1)

Shapiro-Wilk normality test

data: freqType$HP\_interface1

W = 0.96496, p-value = 0.2215

Sort pa de la normalite

Test de wilson

data: freqType$HP\_interface1 and freqType$HP\_interface2

W = 483, p-value = 0.5448

Pas de diference signinfactive