Universidad Nacional del Altiplano

Facultad de Ingeniería Estadística e Informática

Docente: TORRES CRUZ FRED Autor/autores: Harrison Capia Tintaya

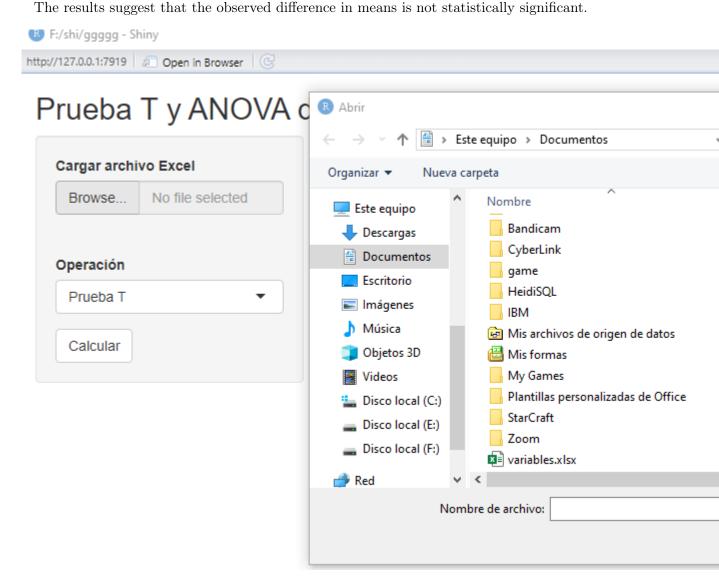
codigo matricula: 221301

link git hub: https://github.com/Hacapoxd/Finesi-lp3/tree/main/homeworks

link shiny appb: https://hacapoxd.shinyapps.io/ANOVA t-student/

Comparison of Departaments and more

This study investigates whether there is a statistically significant difference in the number of public security complaints between the Peruvian departments of Amazonas and Puno. Using open data provided by the Peruvian government, a Welch's t-test for independent samples was applied.



Prueba T y ANOVA desde Excel



```
$cantidad
           Df Sum Sq Mean Sq F value Pr(>F)
          1 12755 12755 0.358 0.552
grupo
Residuals 54 1923561 35622
$tipo
           Df Sum Sq Mean Sq F value Pr(>F)
          1 0.23 0.2289
                            0.233 0.631
grupo
Residuals 54 53.13 0.9839
The ANOVA (formula: cantidad ~ grupo) suggests that:
 - The main effect of grupo is statistically not signi
(F(1, 54) = 0.36, p = 0.552; Eta2 = 6.59e-03, 95% CI [0
Effect sizes were labelled following Field's (2013) red
           Df Sum Sq Mean Sq F value Pr(>F)
           1 12755 12755 0.3581 0.5521
grupo
Residuals
           54 1923561 35622
```

Distribución F con área de rechazo - cantidad