

Universidad Nacional del Altiplano

Facultad de Ingeniería Estadística e Informática

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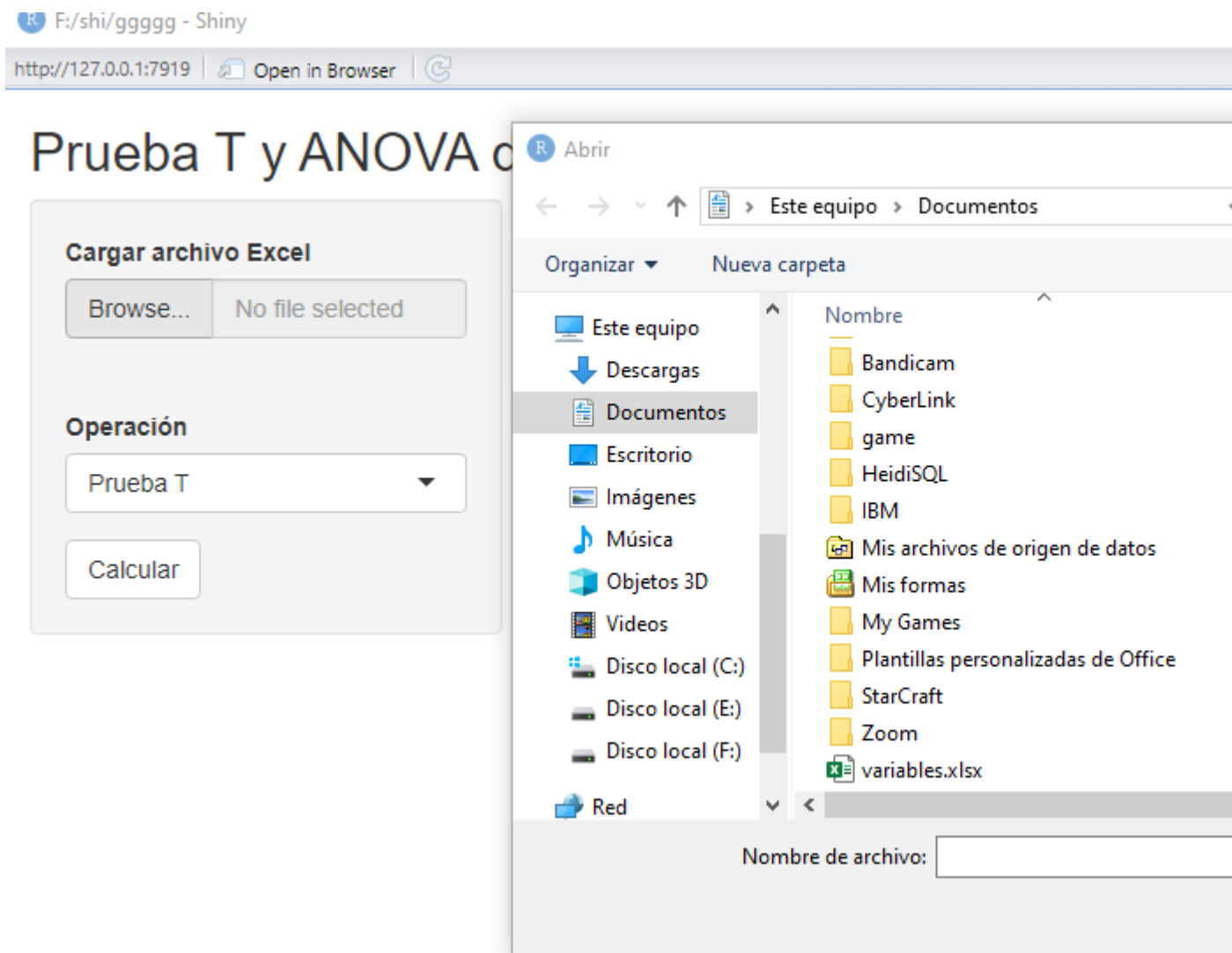
codigo matricula: 221301

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

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.

The results suggest that the observed difference in means is not statistically significant.



Prueba T y ANOVA desde Excel

Cargar archivo Excel

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variables.xlsx

Upload complete

Selecciona columnas (primera = grupo)

D cantidad tipo

Operación

ANOVA ▼

Calcular

\$cantidad

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
grupo	1	12755	12755	0.358	0.552
Residuals	54	1923561	35622		

\$tipo

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
grupo	1	0.23	0.2289	0.233	0.631
Residuals	54	53.13	0.9839		

The ANOVA (formula: `cantidad ~ grupo`) suggests that:

- The main effect of grupo is statistically not significant (F(1, 54) = 0.36, p = 0.552; Eta2 = 6.59e-03, 95% CI [0.00, 0.02])

Effect sizes were labelled following Field's (2013) recommendations

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
grupo	1	12755	12755	0.3581	0.5521
Residuals	54	1923561	35622		

Distribución F con área de rechazo - cantidad

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