

Reporte de análisis — glass

Distribución de clases

Clase	Conteo	Proporción (%)
2	76	35.51
1	70	32.71
7	29	13.55
3	17	7.94
5	13	6.07
6	9	4.21

Métricas clave del dataset

cantidad_muestras	214
cantidad_atributos	9
cantidad_clases	6
clase_minima_real	6
clase_mayoritaria_real	2
n_min	9
n_max	76
ratio_desequilibrio_max	8.444444444444445
entropia_clases	1.5086584002176944
tamano_efectivo_clases	4.520661805253538
porcentaje_faltantes	0.0
porcentaje_duplicados	0.46728971962616817
asimetria_mediana	1.6140105637957722
curtosis_mediana	2.9534753140667362
porcentaje_variables_con_normalidad_no_rechazada	0.0
correlacion_absoluta_maxima	0.8104028350635606

porcentaje_pares_correlacion_mayor_0_9	0.0
rango_mediano_variables	4.489999771118164
rango_maximo_variables	10.760000705718994
sugerencia_escalado	RobustScaler

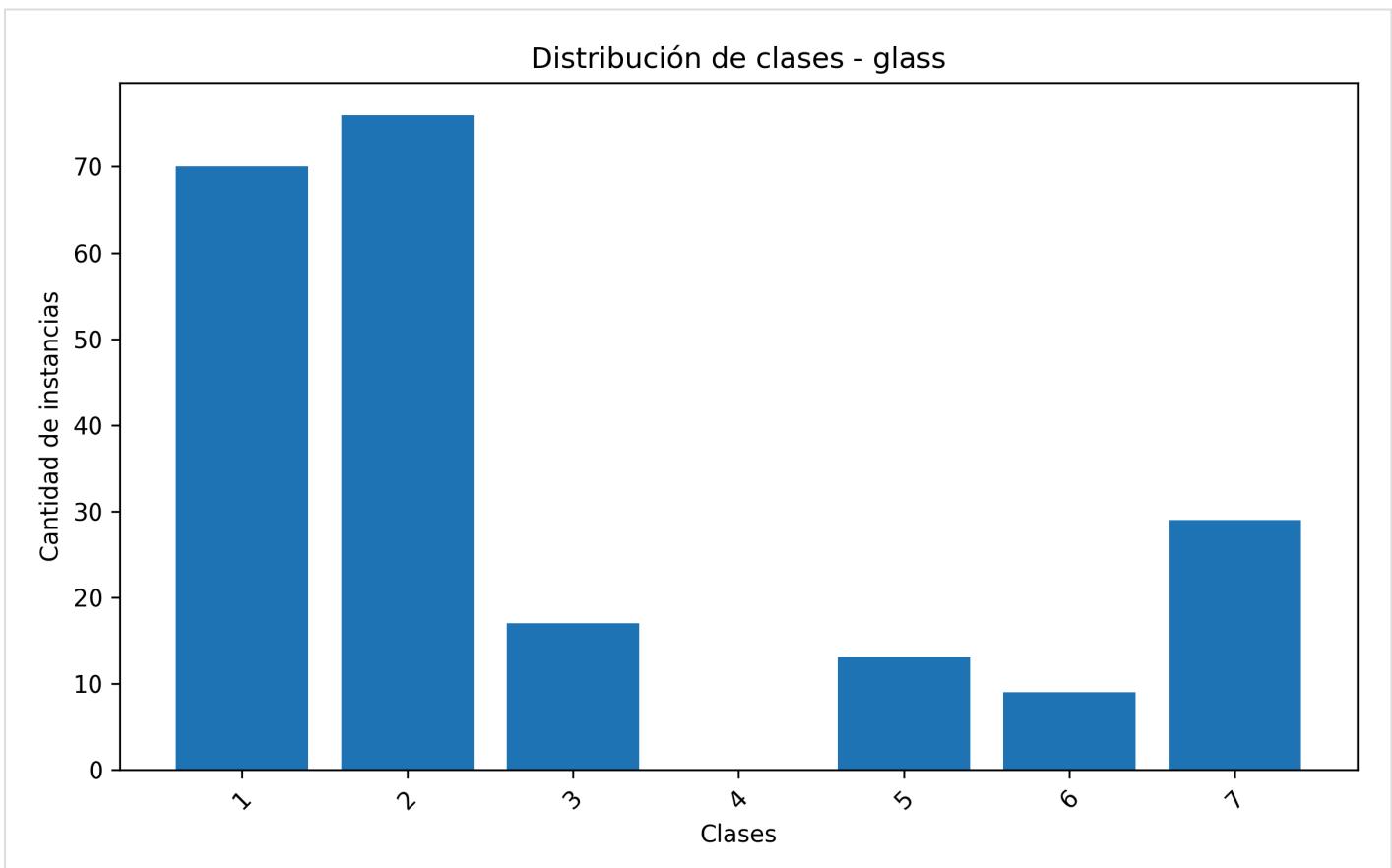
PCA — Varianza explicada

PC1: **0.476** · PC1+PC2: **0.739** · PC1+PC2+PC3: **0.847**

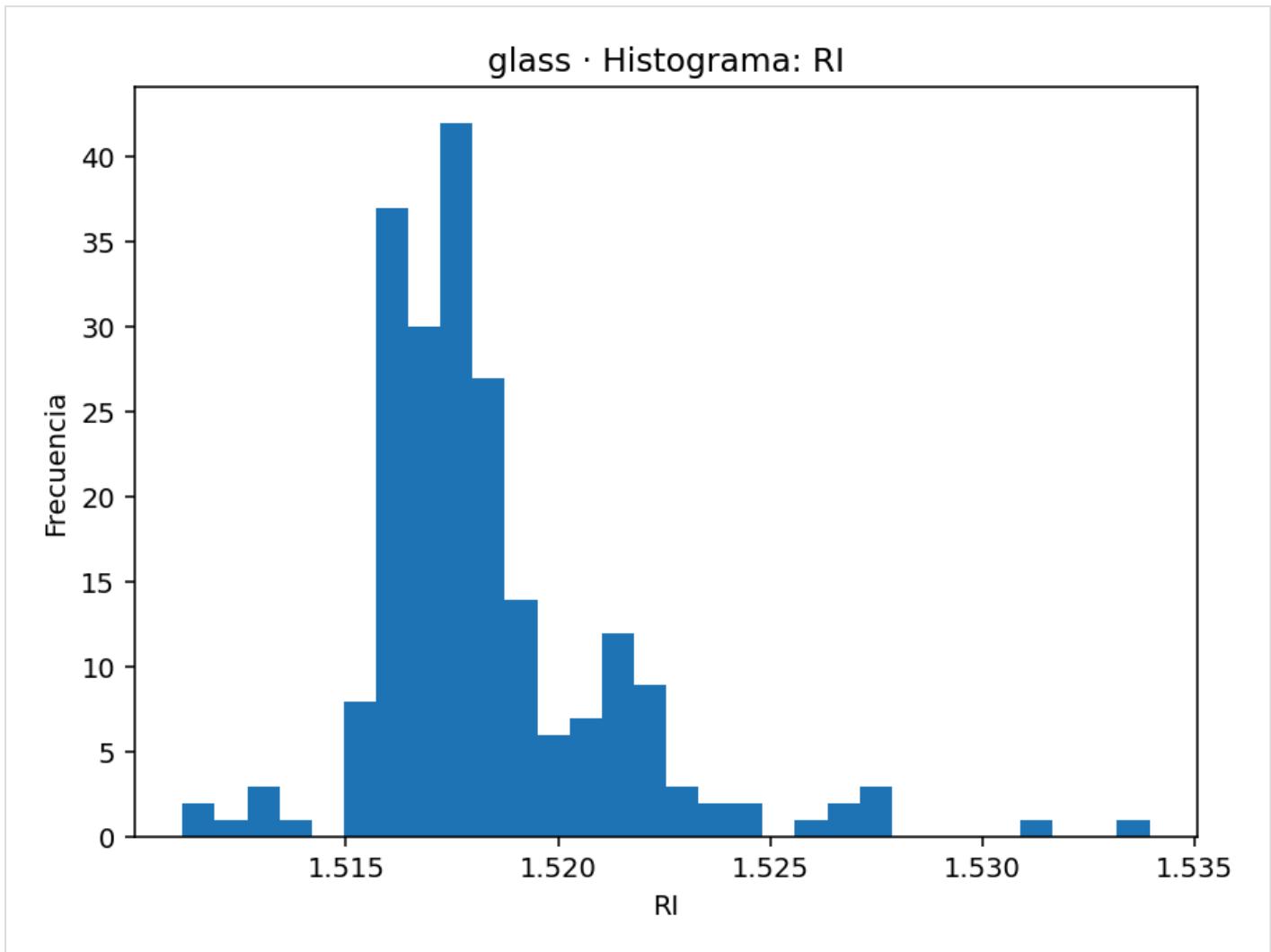
Componente	Varianza explicada
PC1	0.476205
PC2	0.263193
PC3	0.1078
PC4	0.102025
PC5	0.033067

Figuras

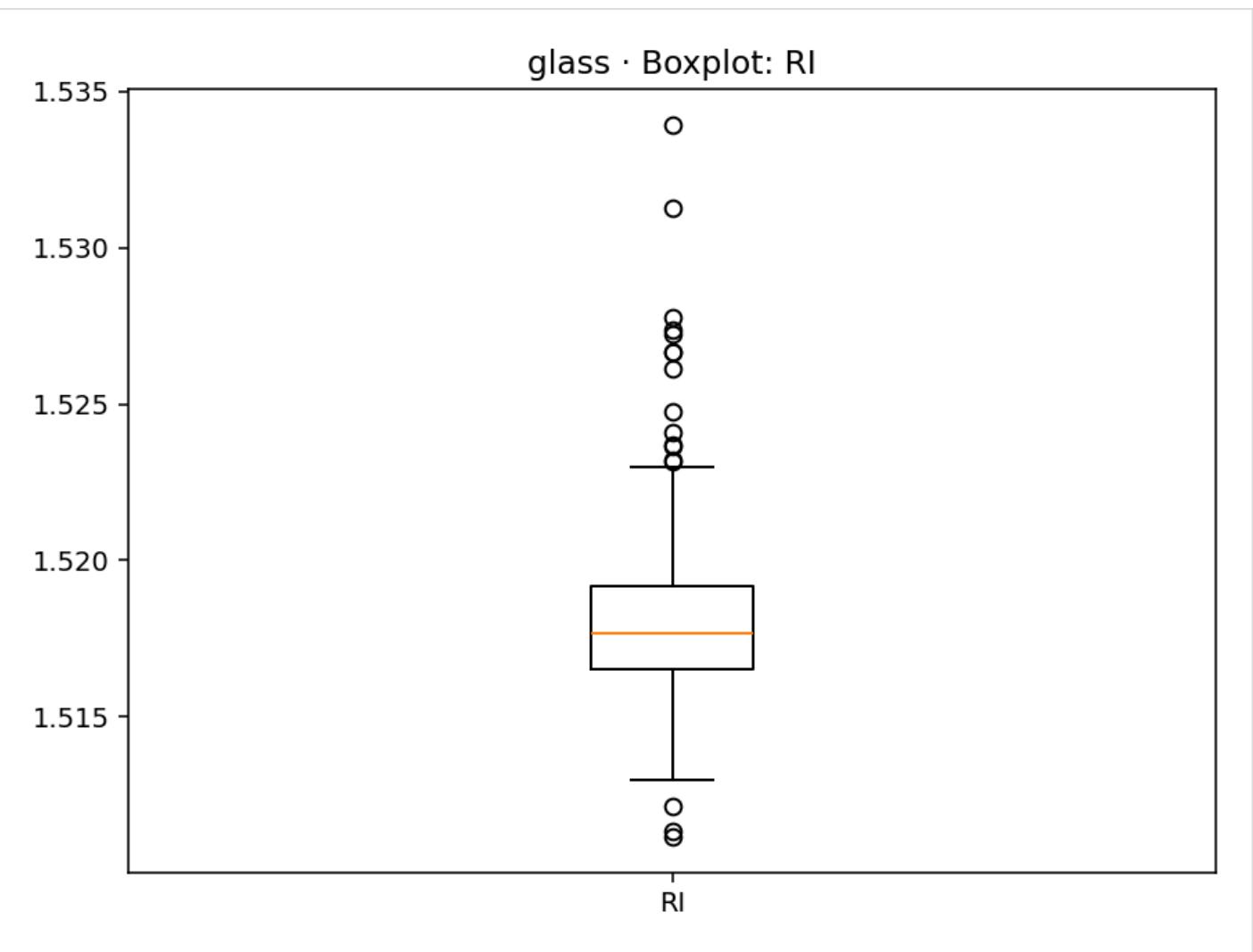
Distribución de clases



Histograma: RI

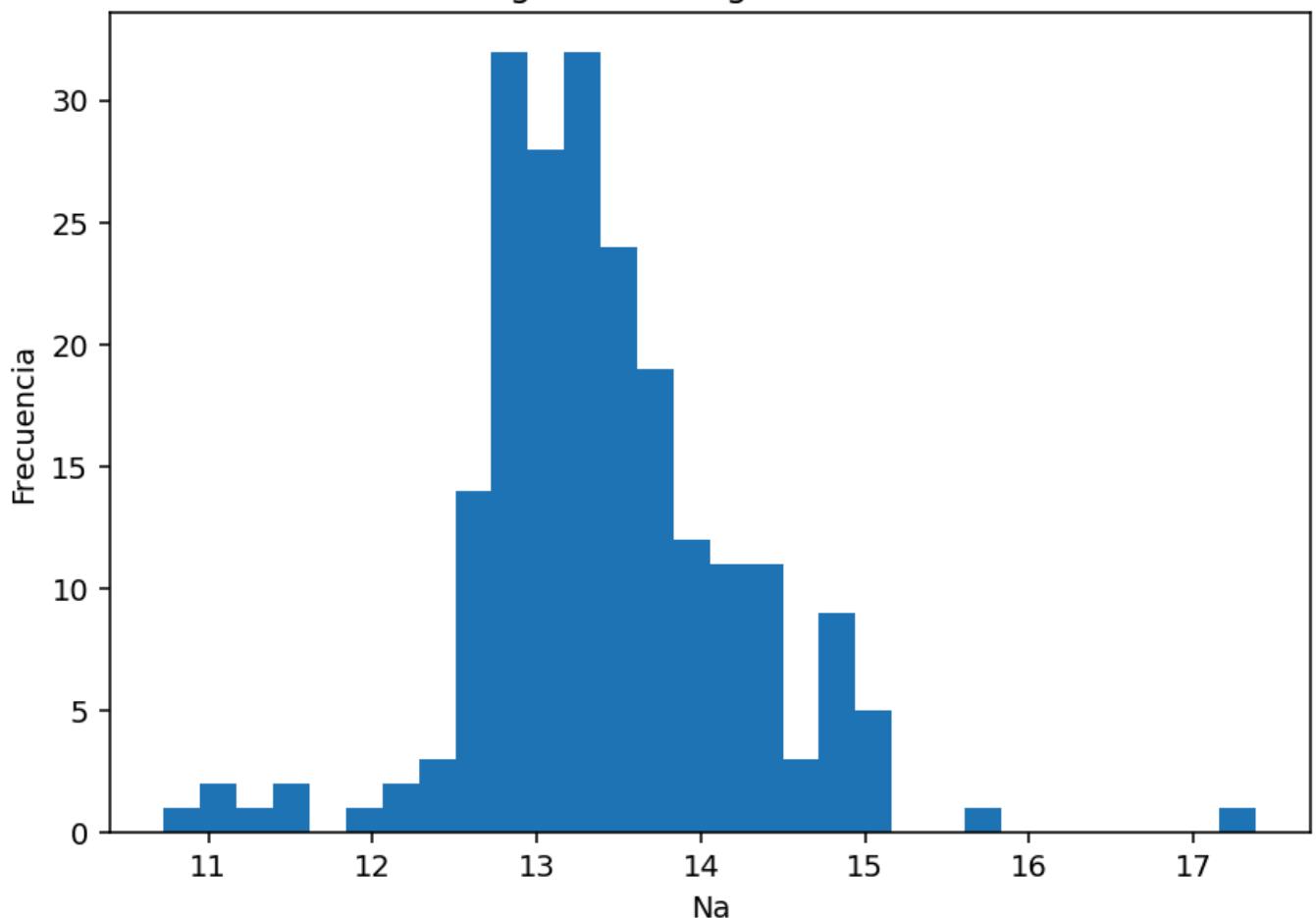


Boxplot: RI



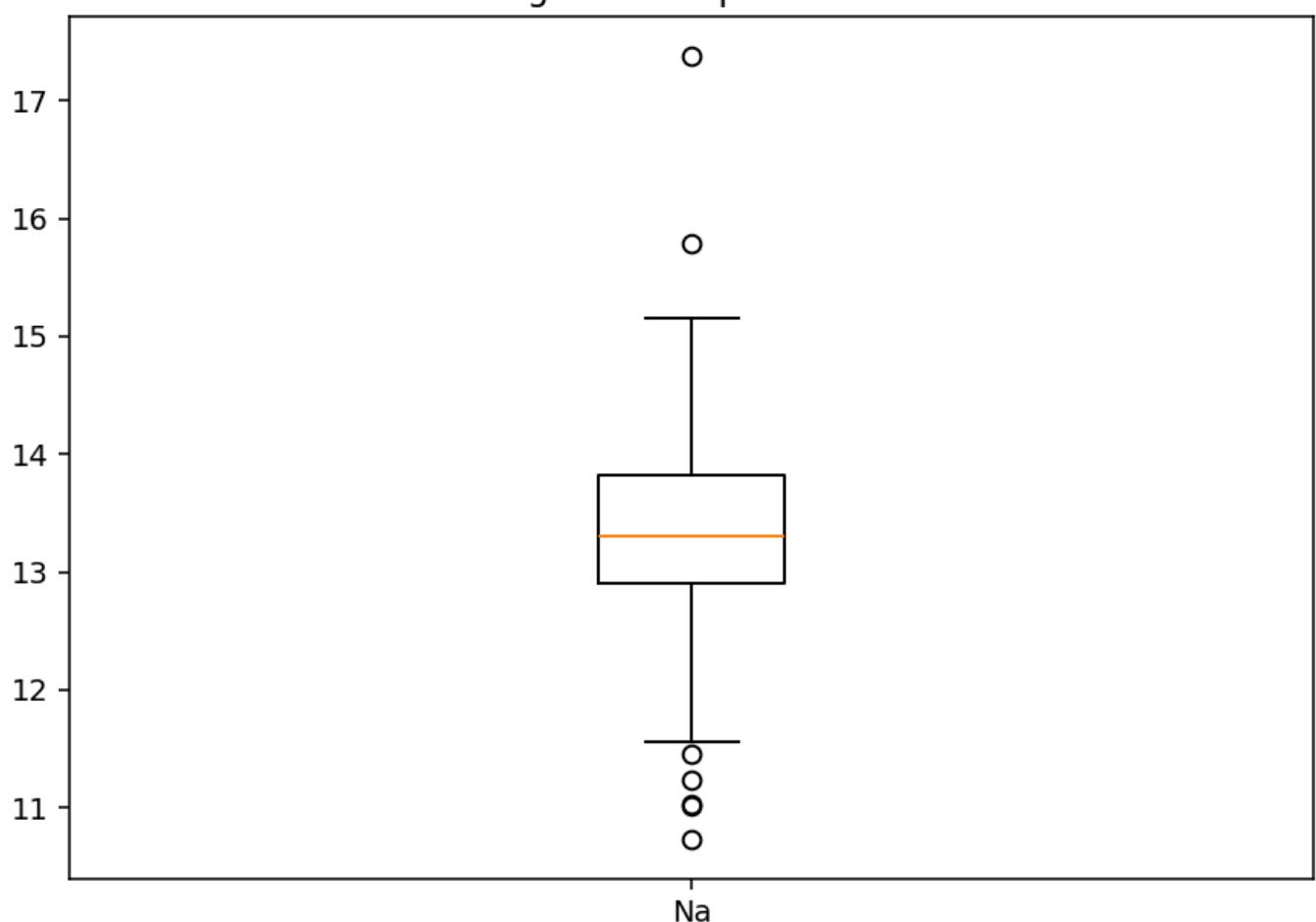
Histograma: Na

glass · Histograma: Na



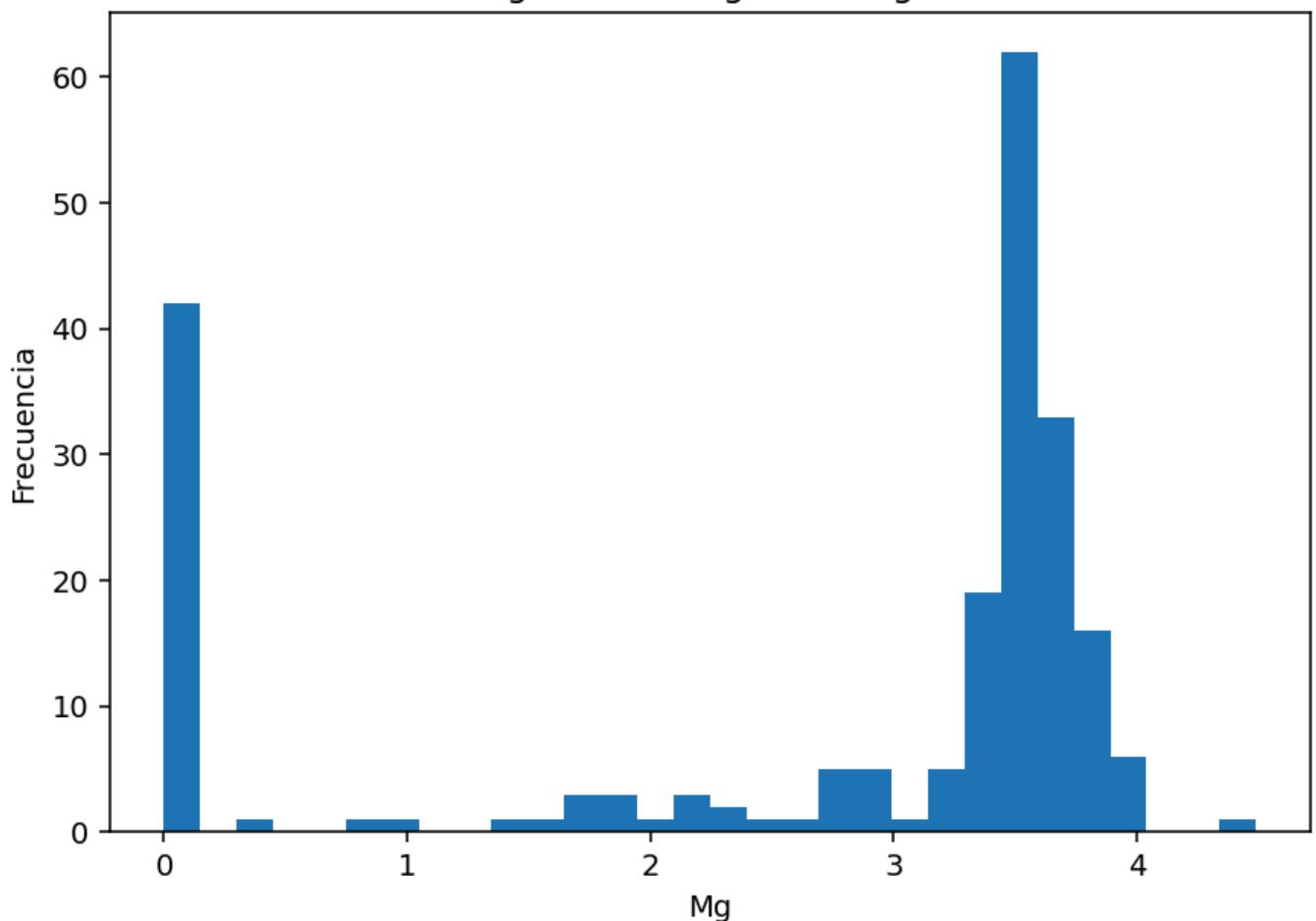
Boxplot: Na

glass · Boxplot: Na



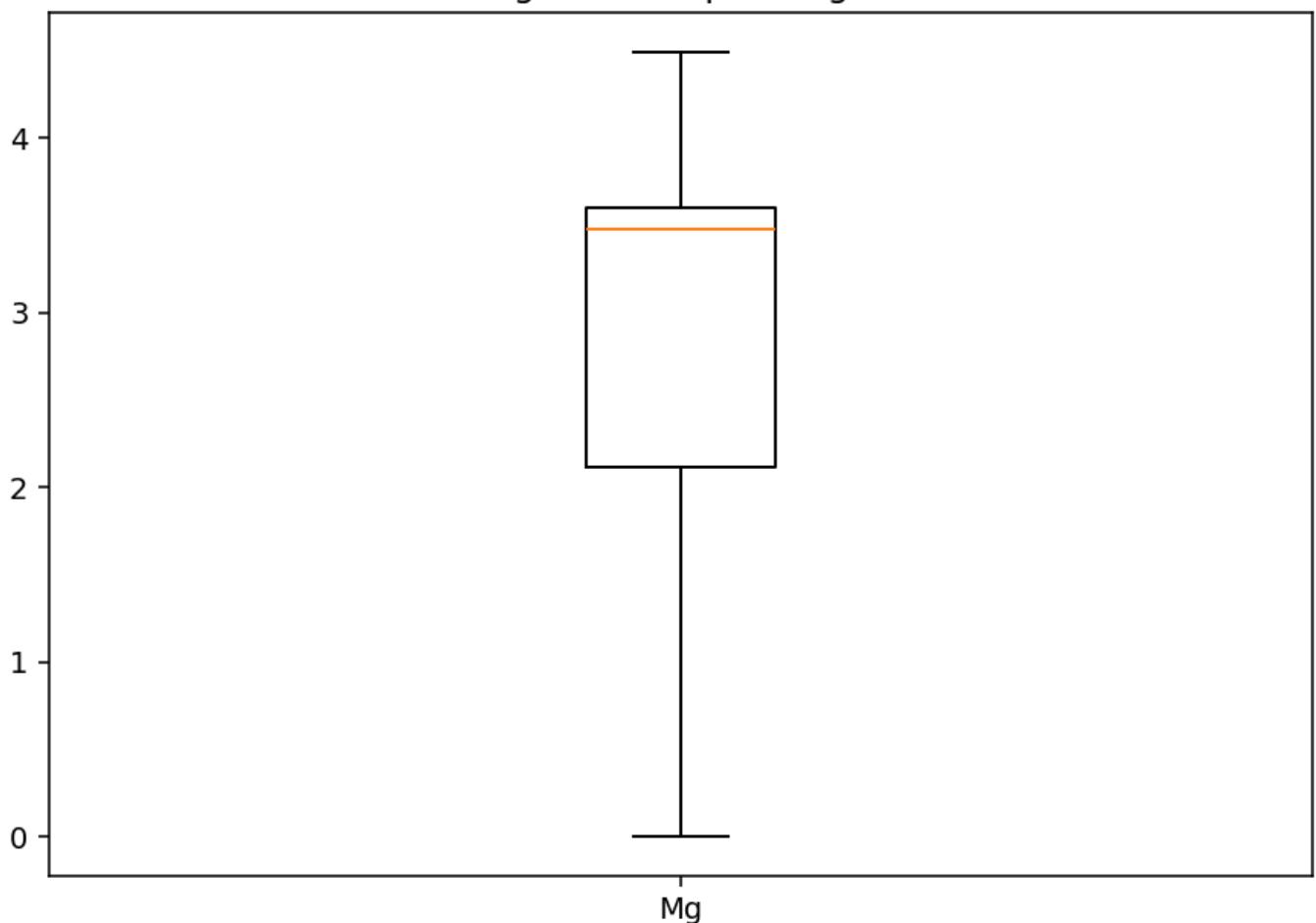
Histograma: Mg

glass · Histograma: Mg



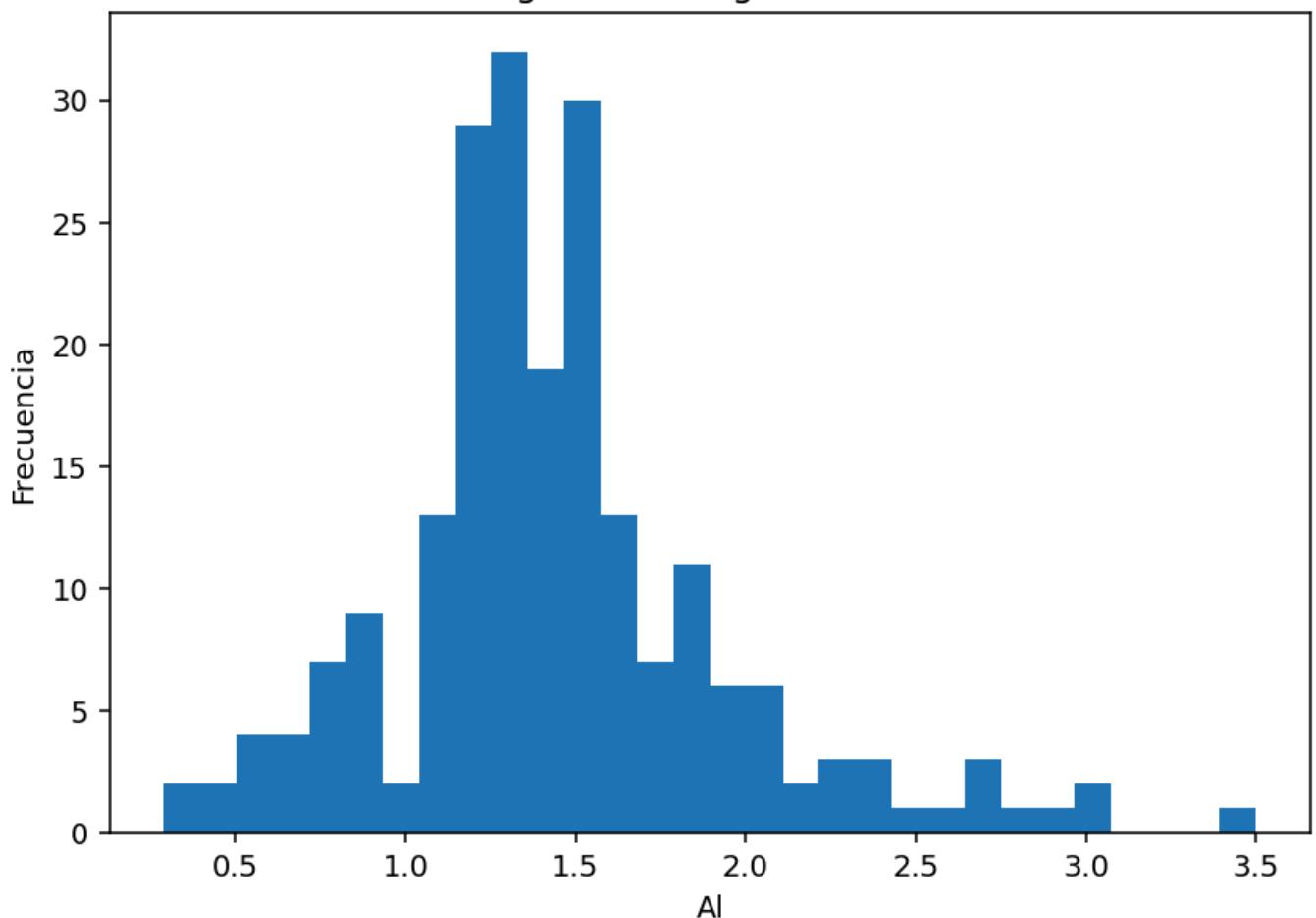
Boxplot: Mg

glass · Boxplot: Mg



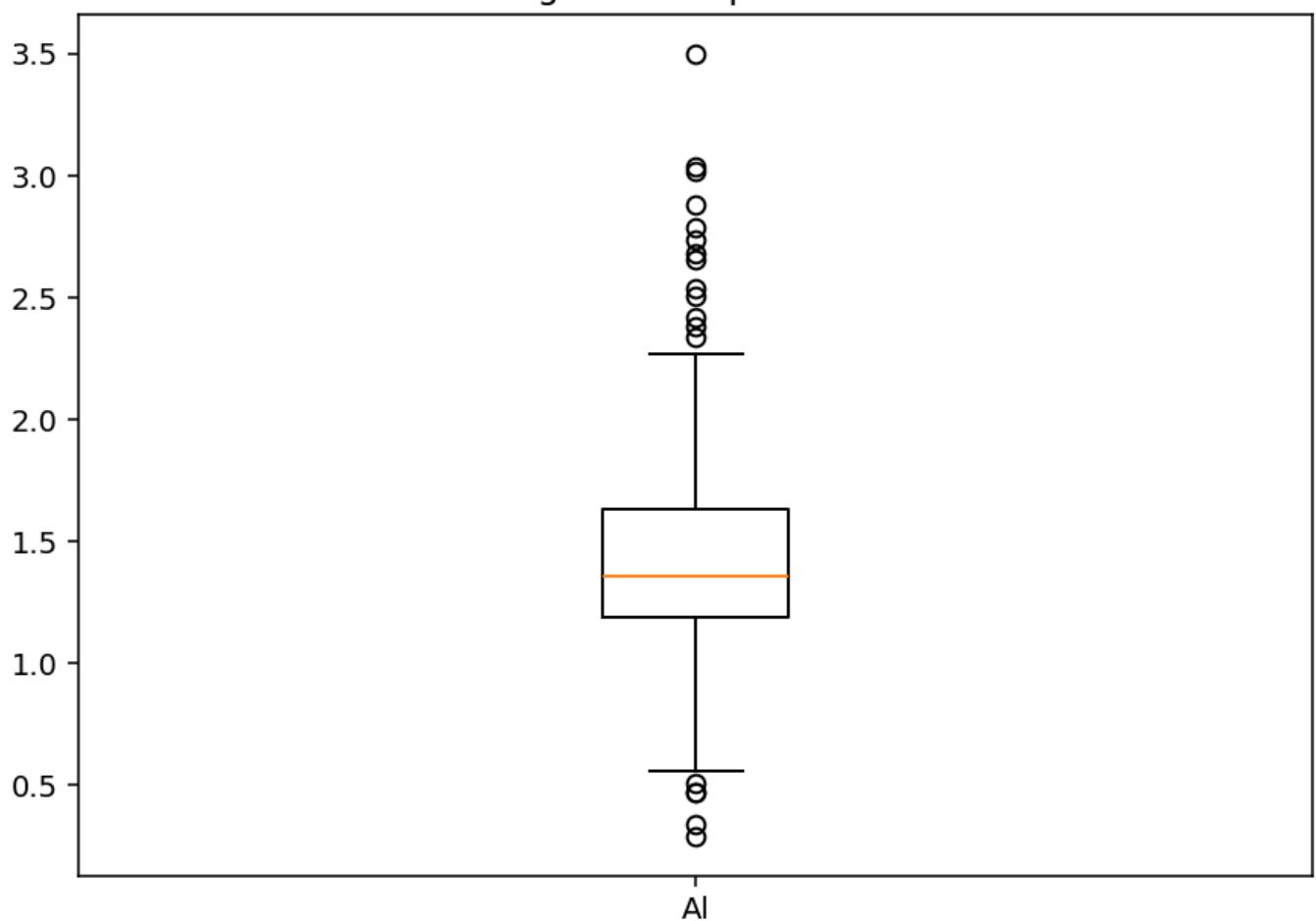
Histograma: Al

glass · Histograma: Al



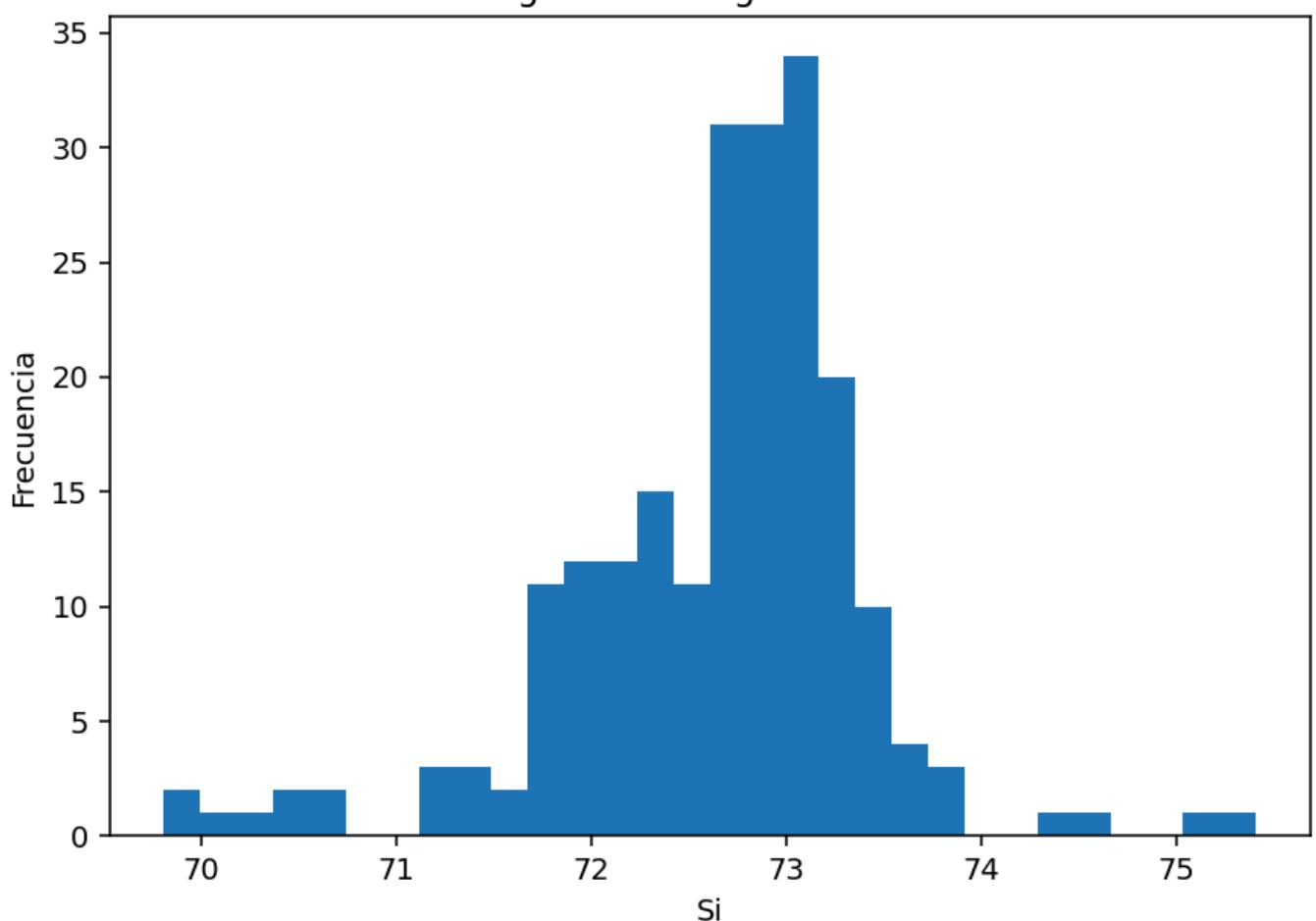
Boxplot: Al

glass · Boxplot: Al



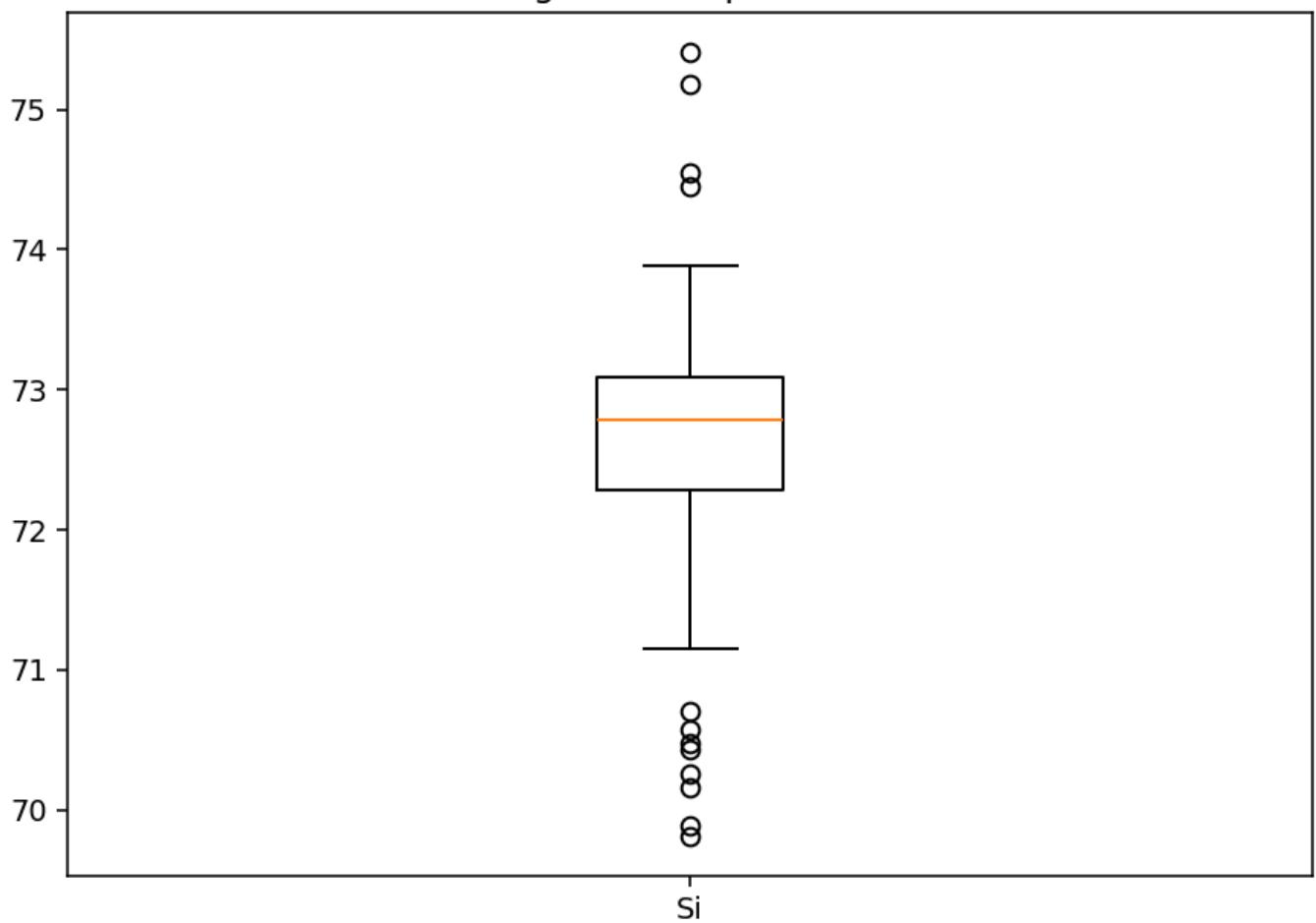
Histograma: Si

glass · Histograma: Si



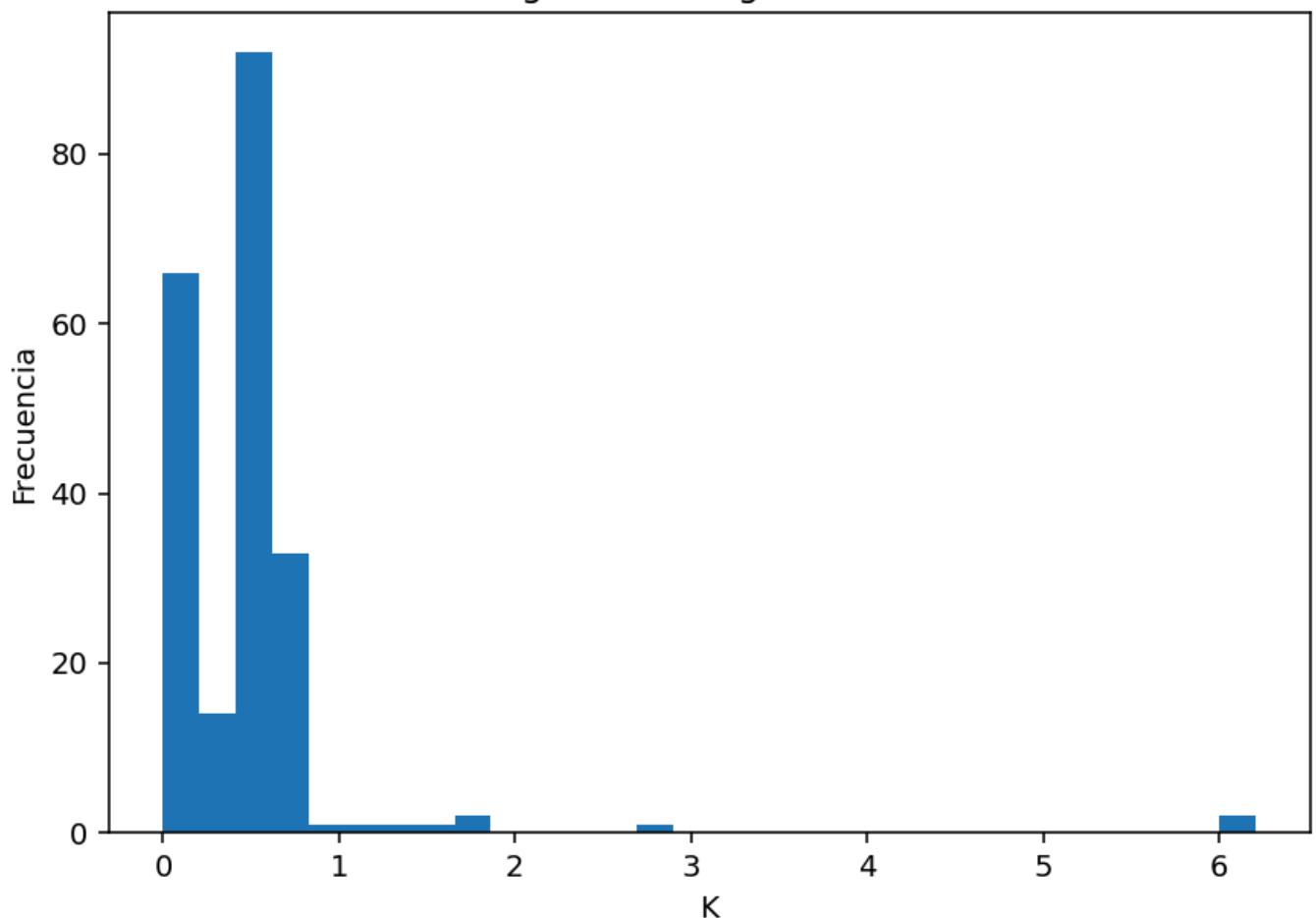
Boxplot: Si

glass · Boxplot: Si



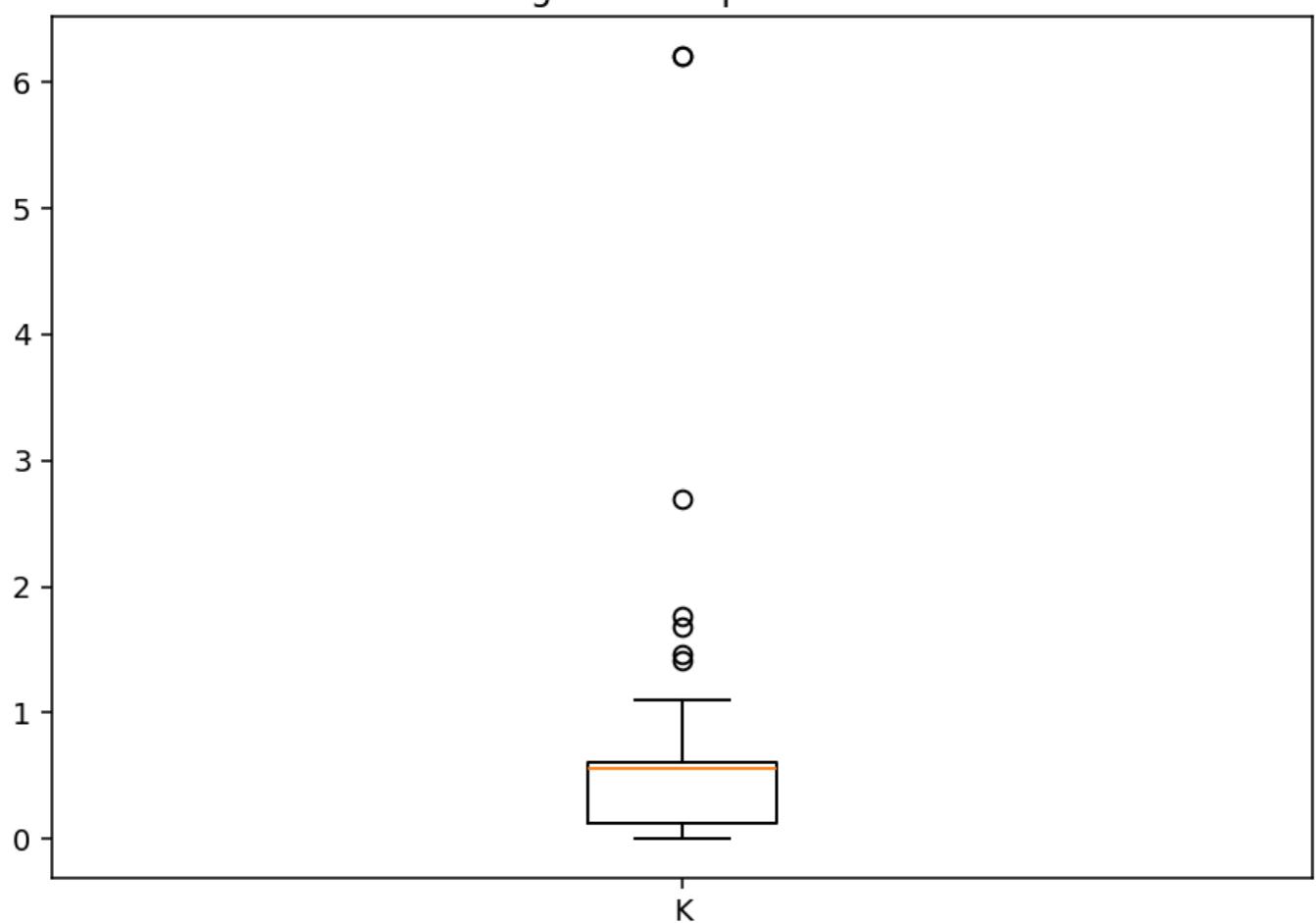
Histograma: K

glass · Histograma: K



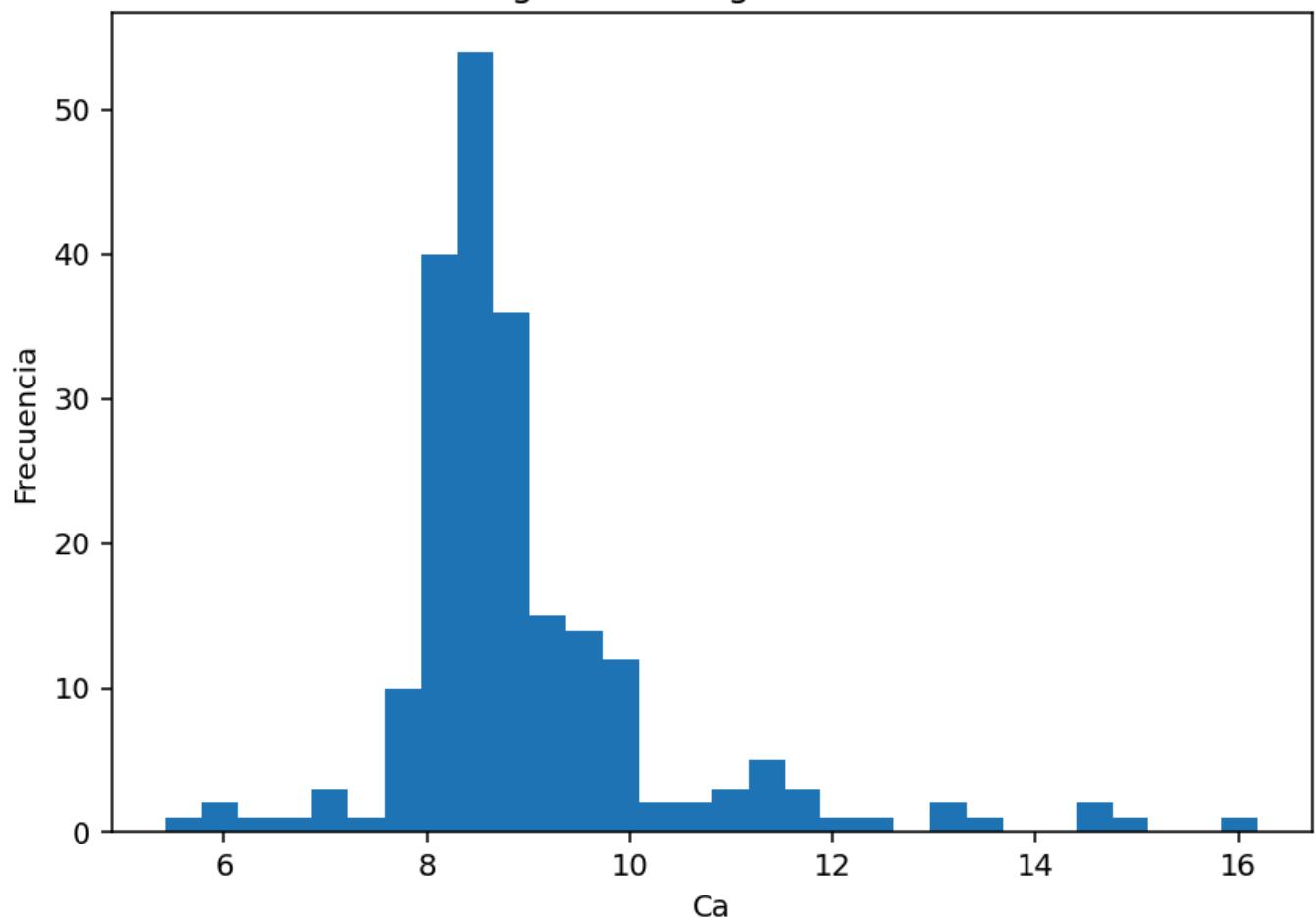
Boxplot: K

glass · Boxplot: K



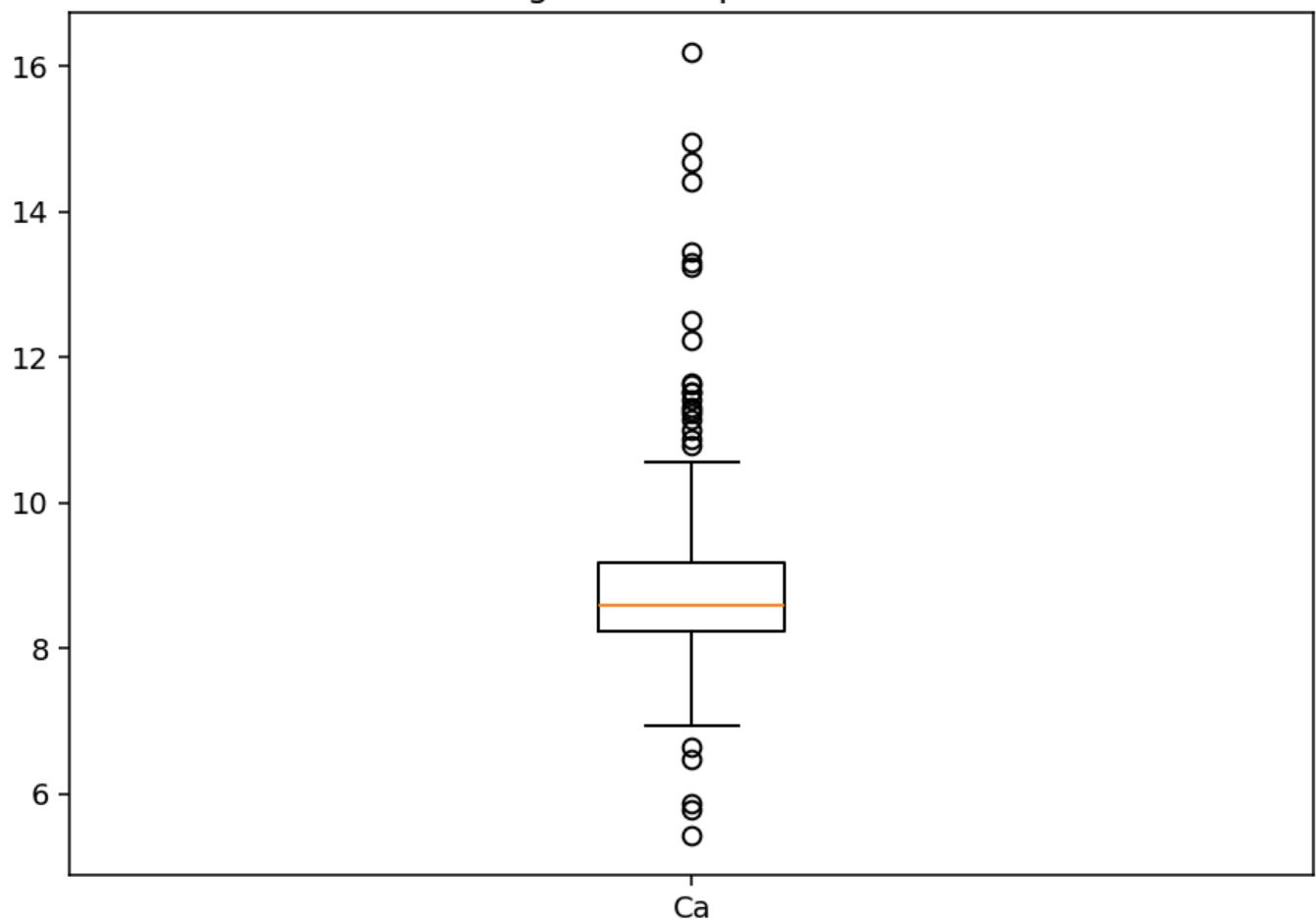
Histograma: Ca

glass · Histograma: Ca



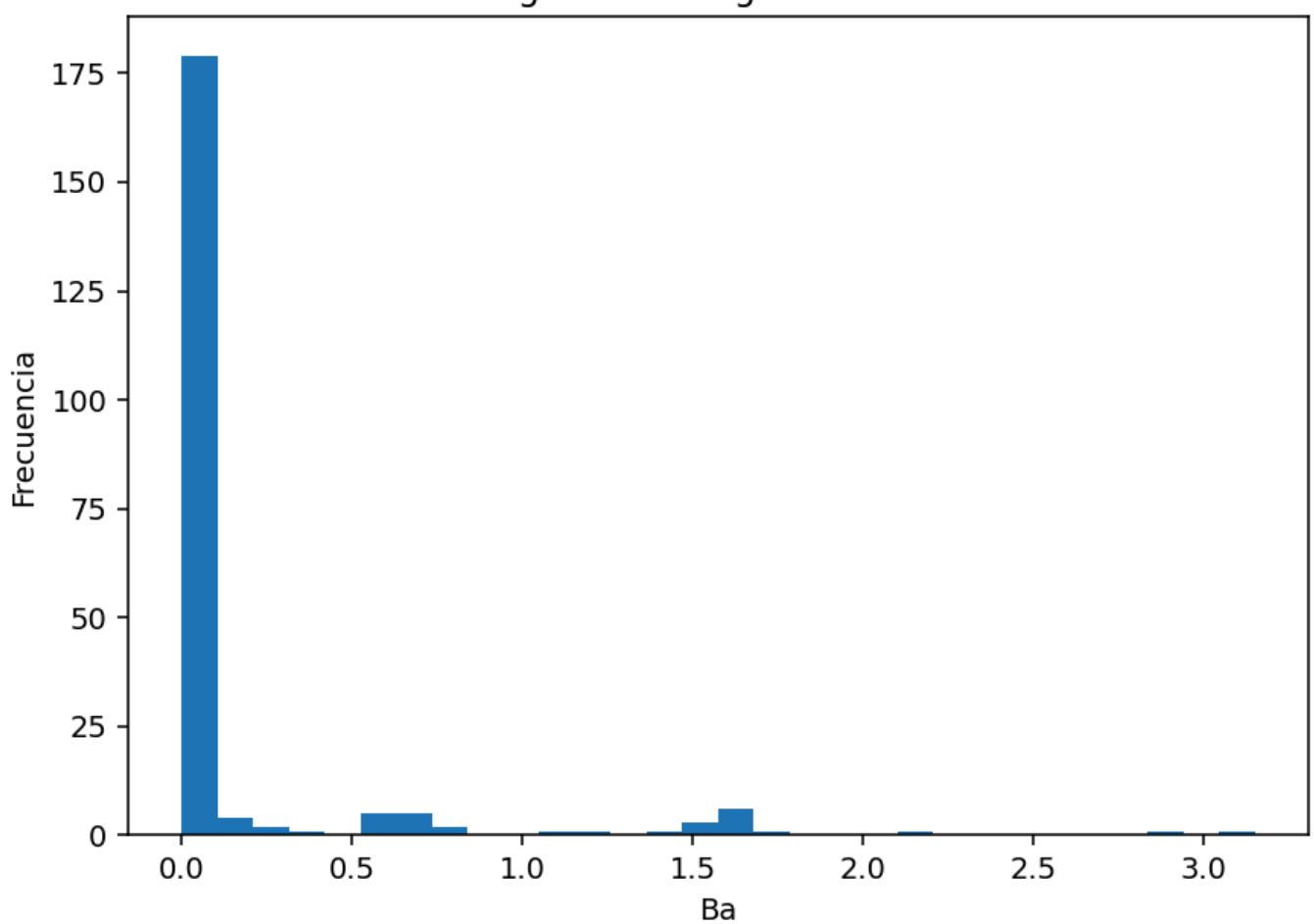
Boxplot: Ca

glass · Boxplot: Ca



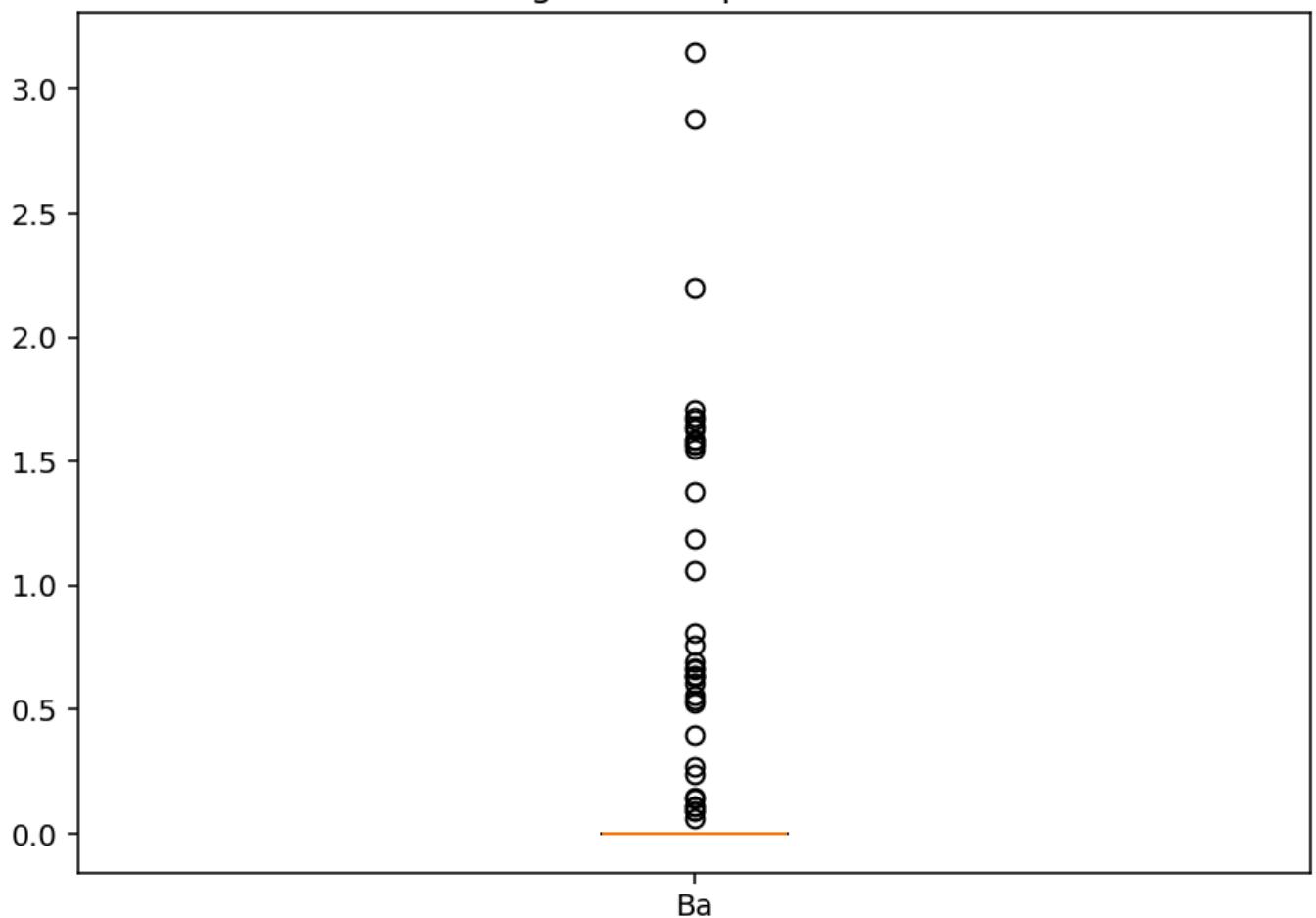
Histograma: Ba

glass · Histograma: Ba



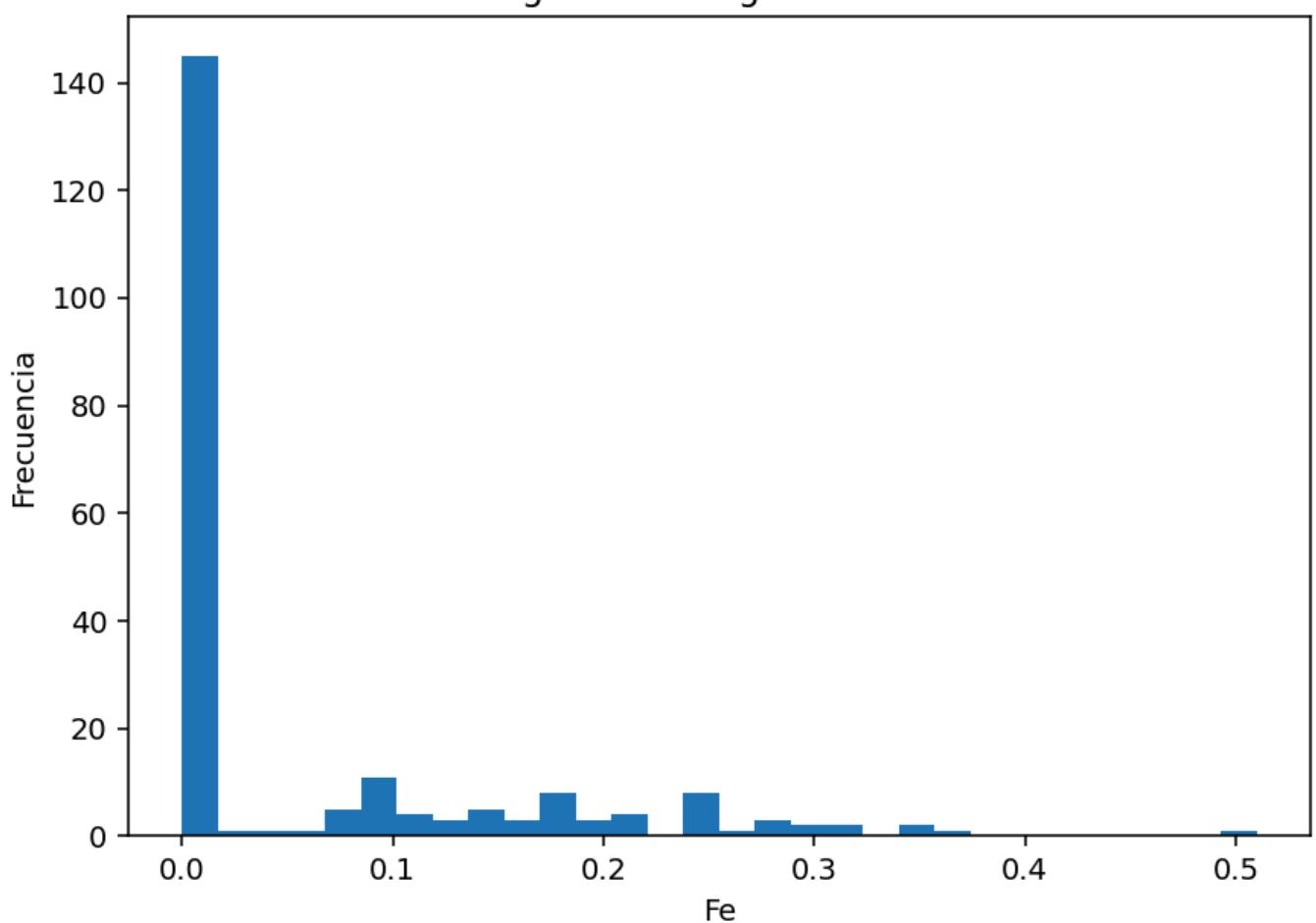
Boxplot: Ba

glass · Boxplot: Ba



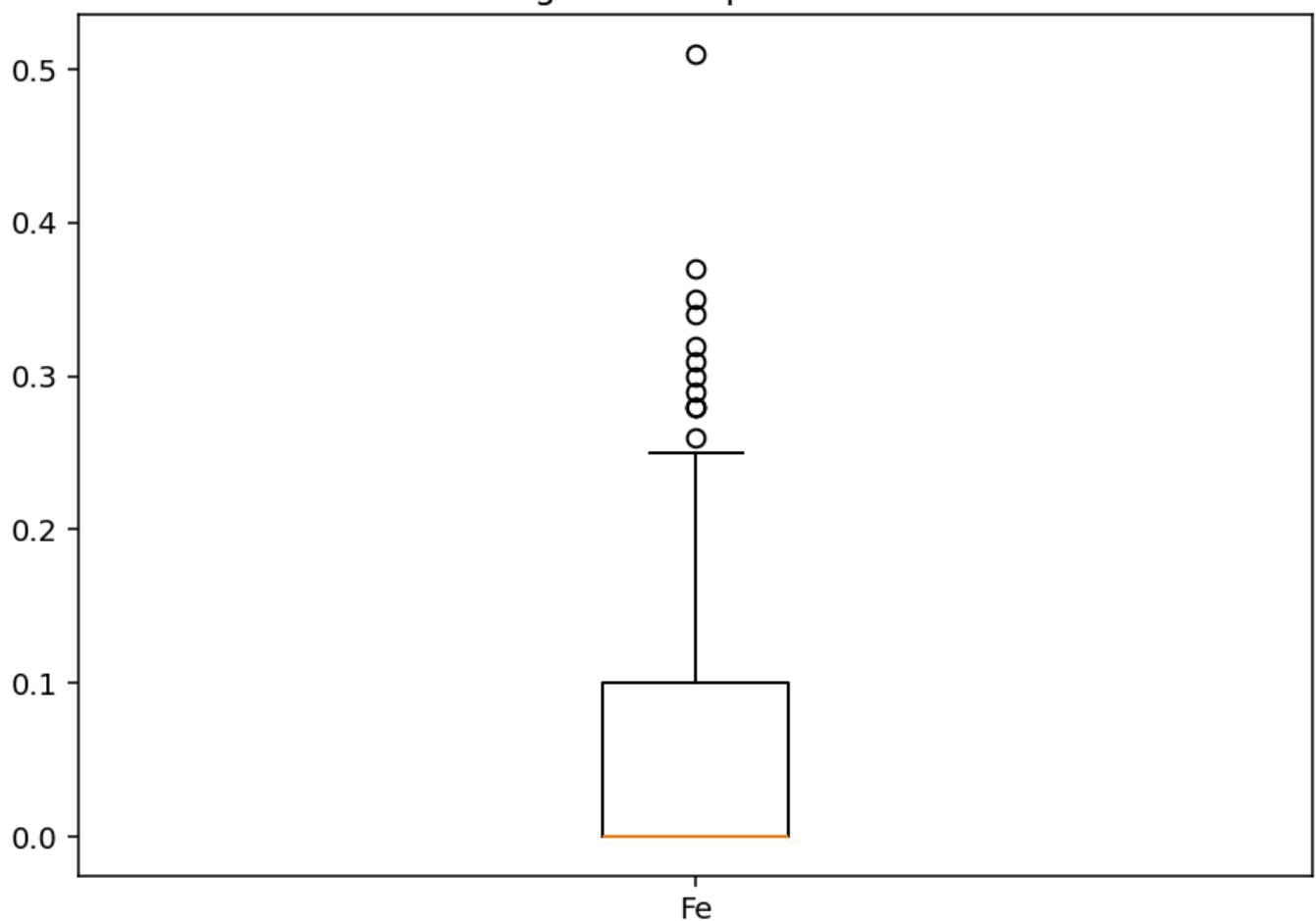
Histograma: Fe

glass · Histograma: Fe



Boxplot: Fe

glass · Boxplot: Fe



Matriz de correlaciones

glass · Matriz de correlaciones (Pearson)

