

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 |

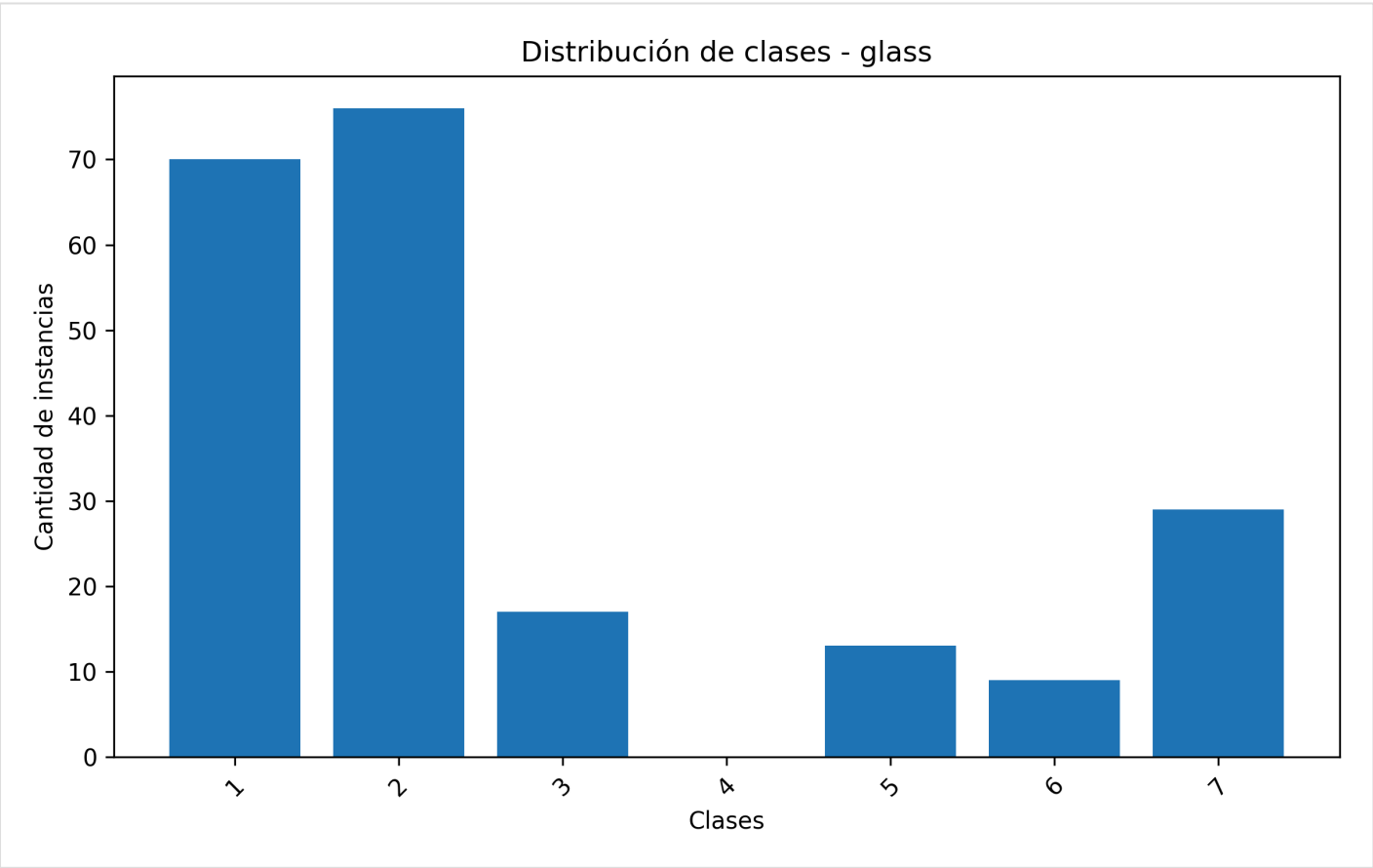
PCA — Varianza explicada

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

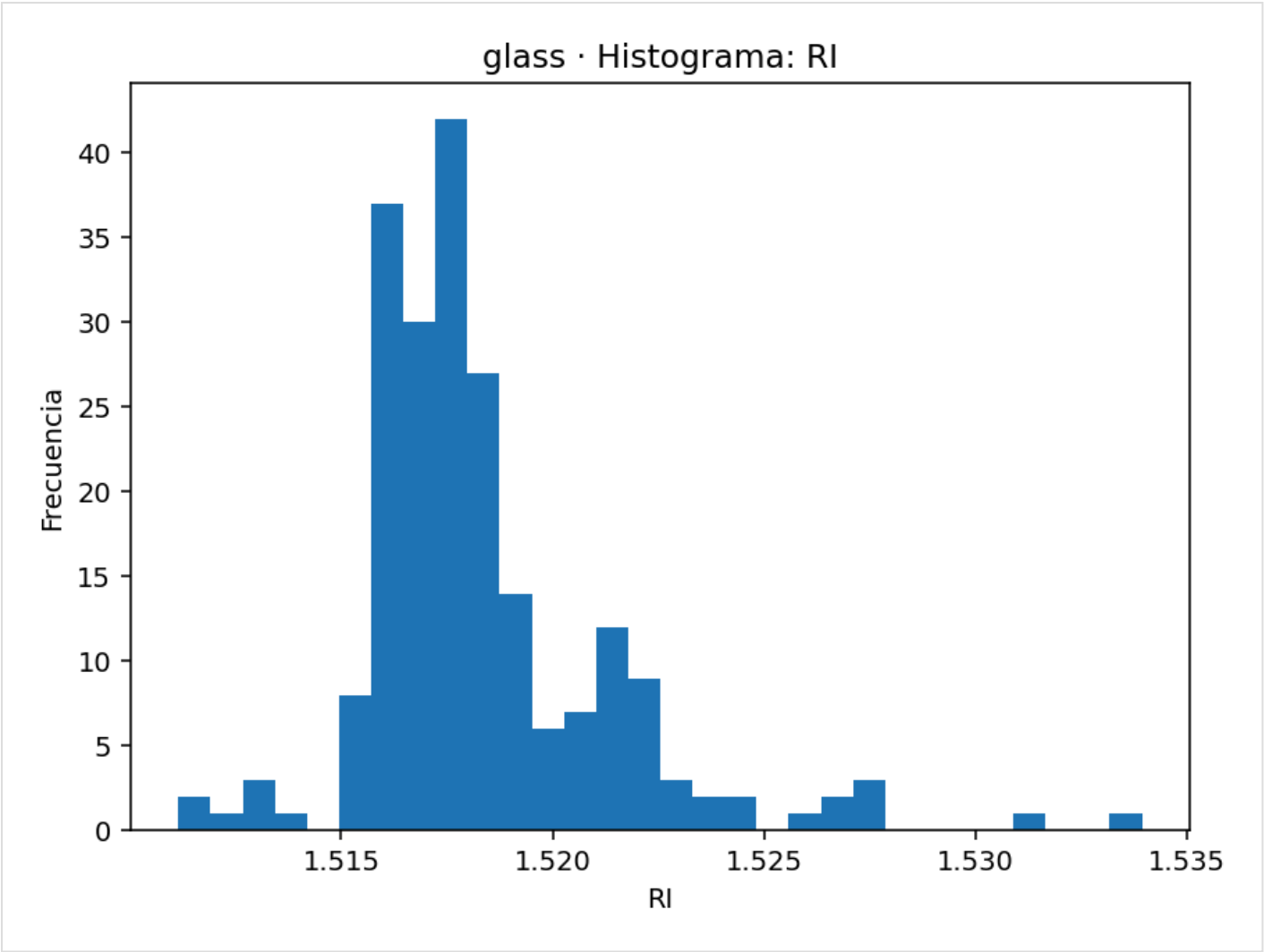
| Componente | Varianza explicada |
|------------|--------------------|
| PC1 | 0.476205 |
| PC2 | 0.263193 |
| PC3 | 0.1078 |
| PC4 | 0.102025 |
| PC5 | 0.033067 |

Figuras

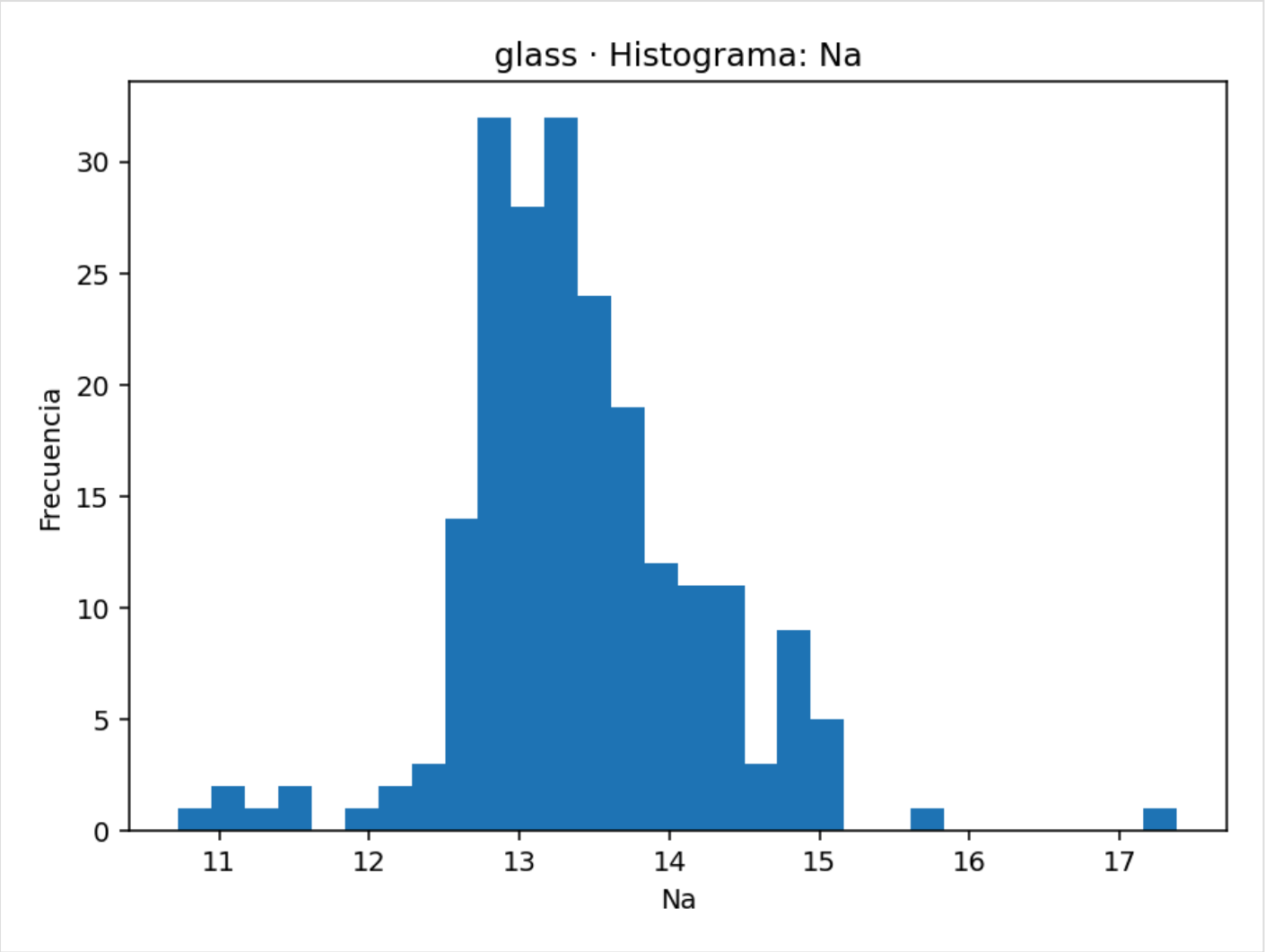
Distribución de clases



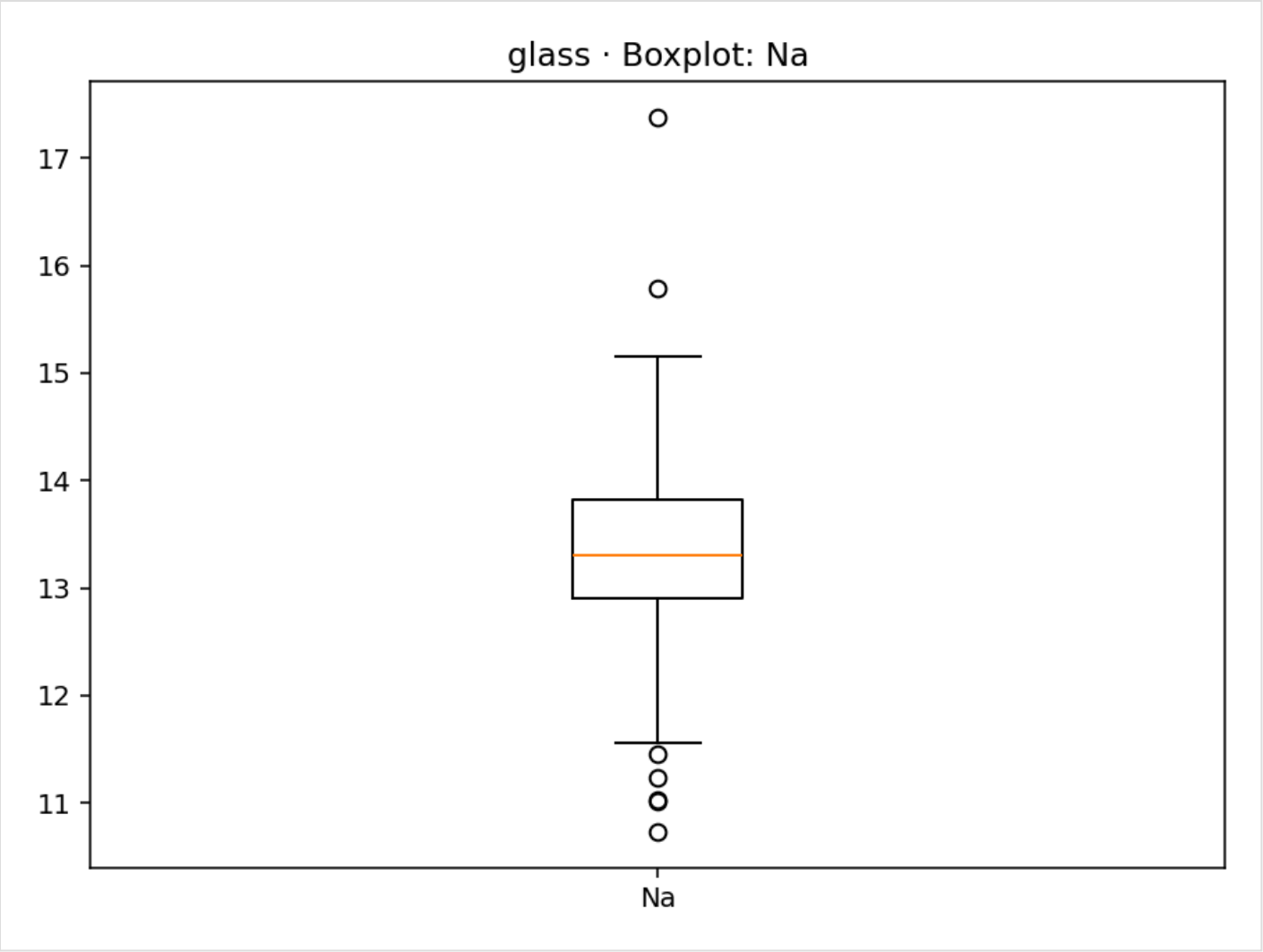
Histograma: RI



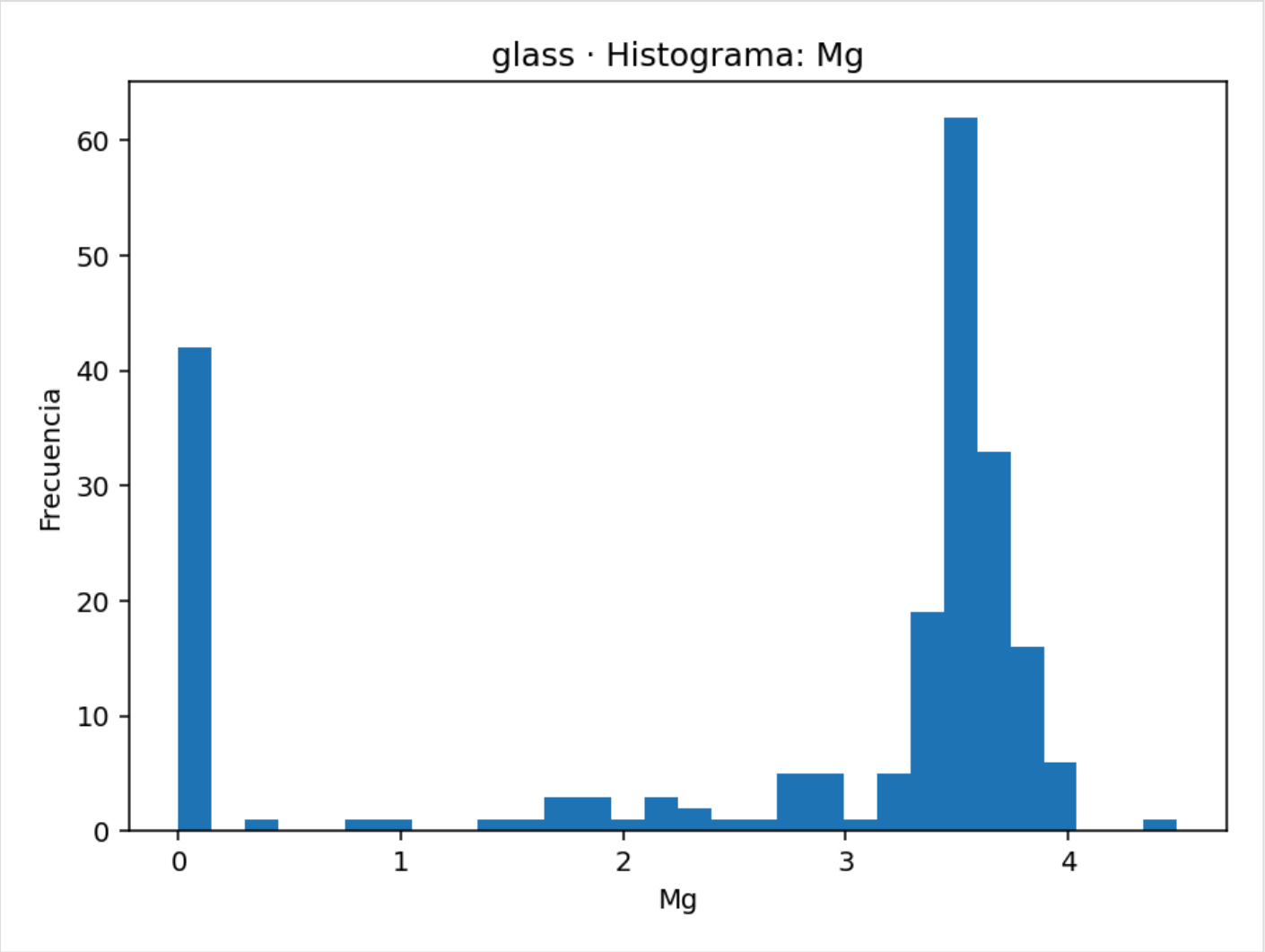
Boxplot: RI



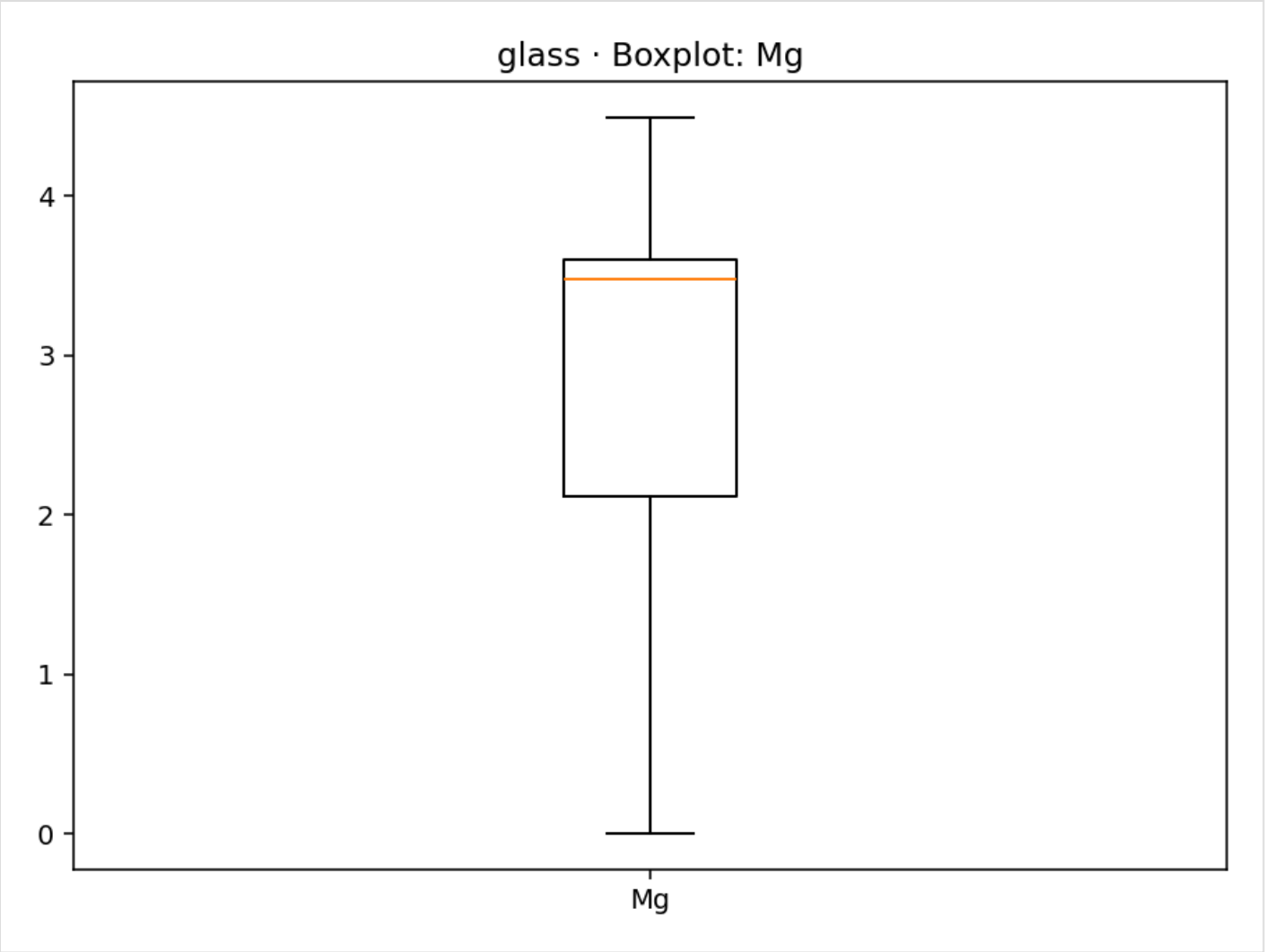
Boxplot: Na



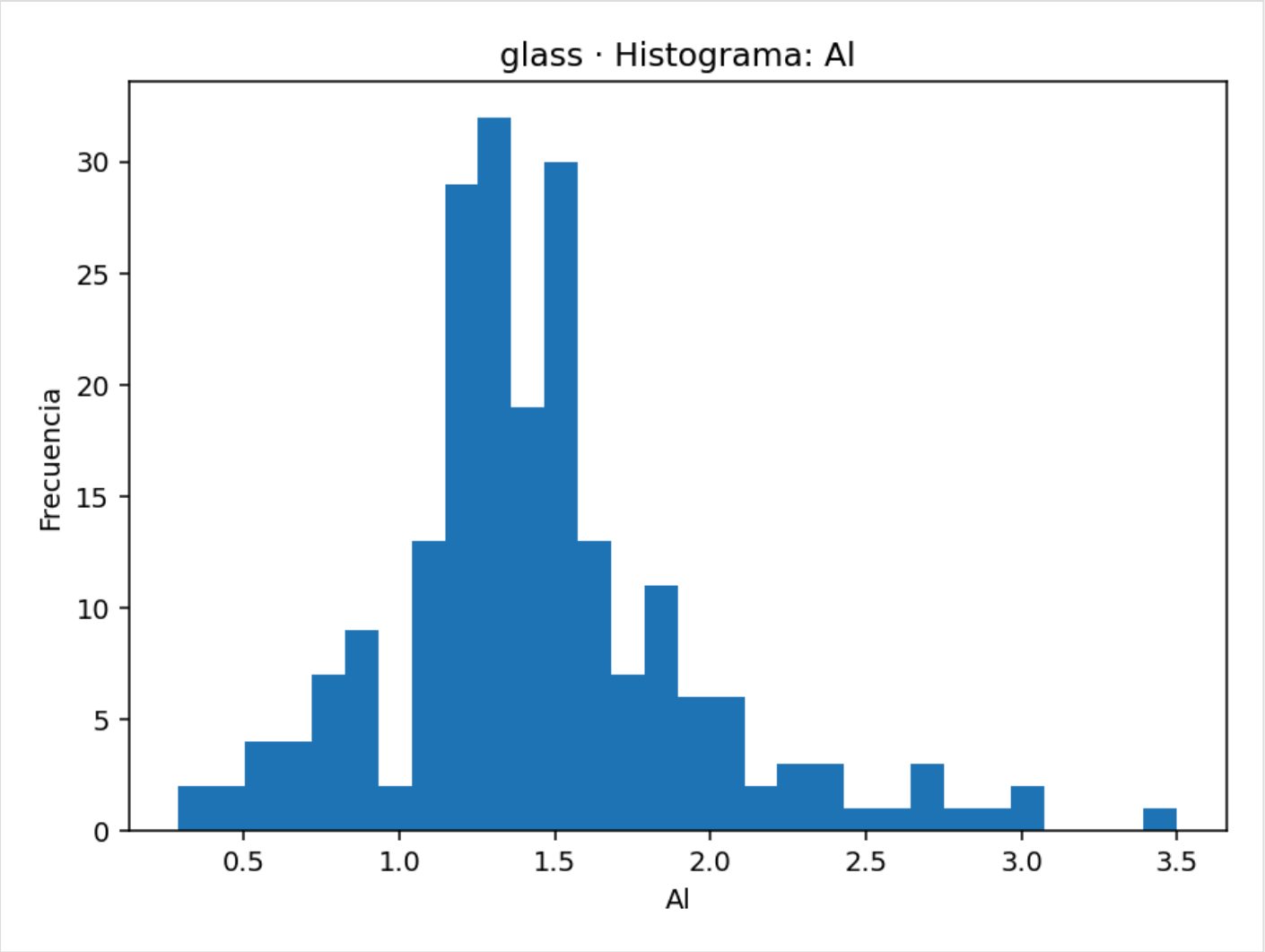
Histograma: Mg



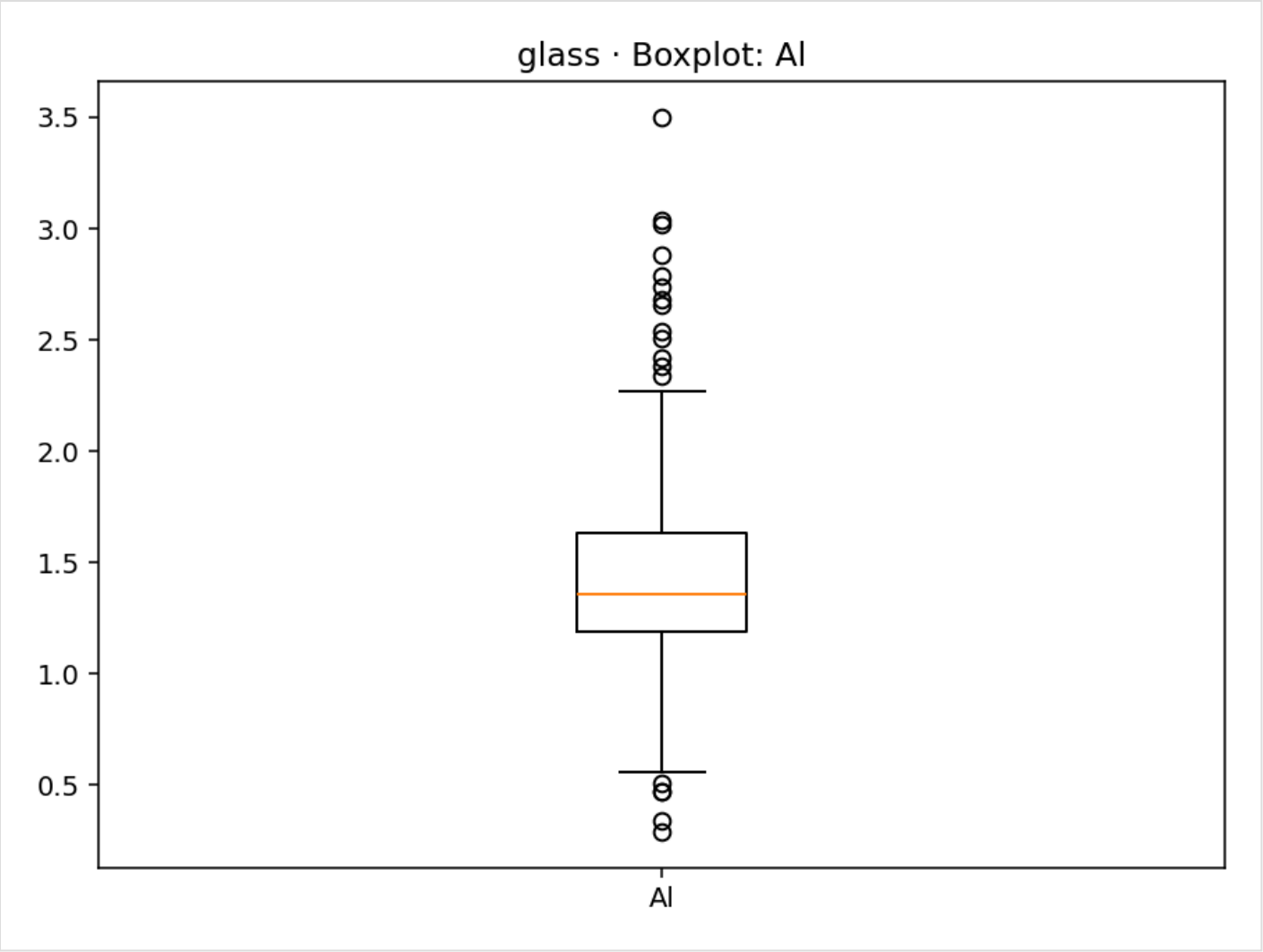
Boxplot: Mg



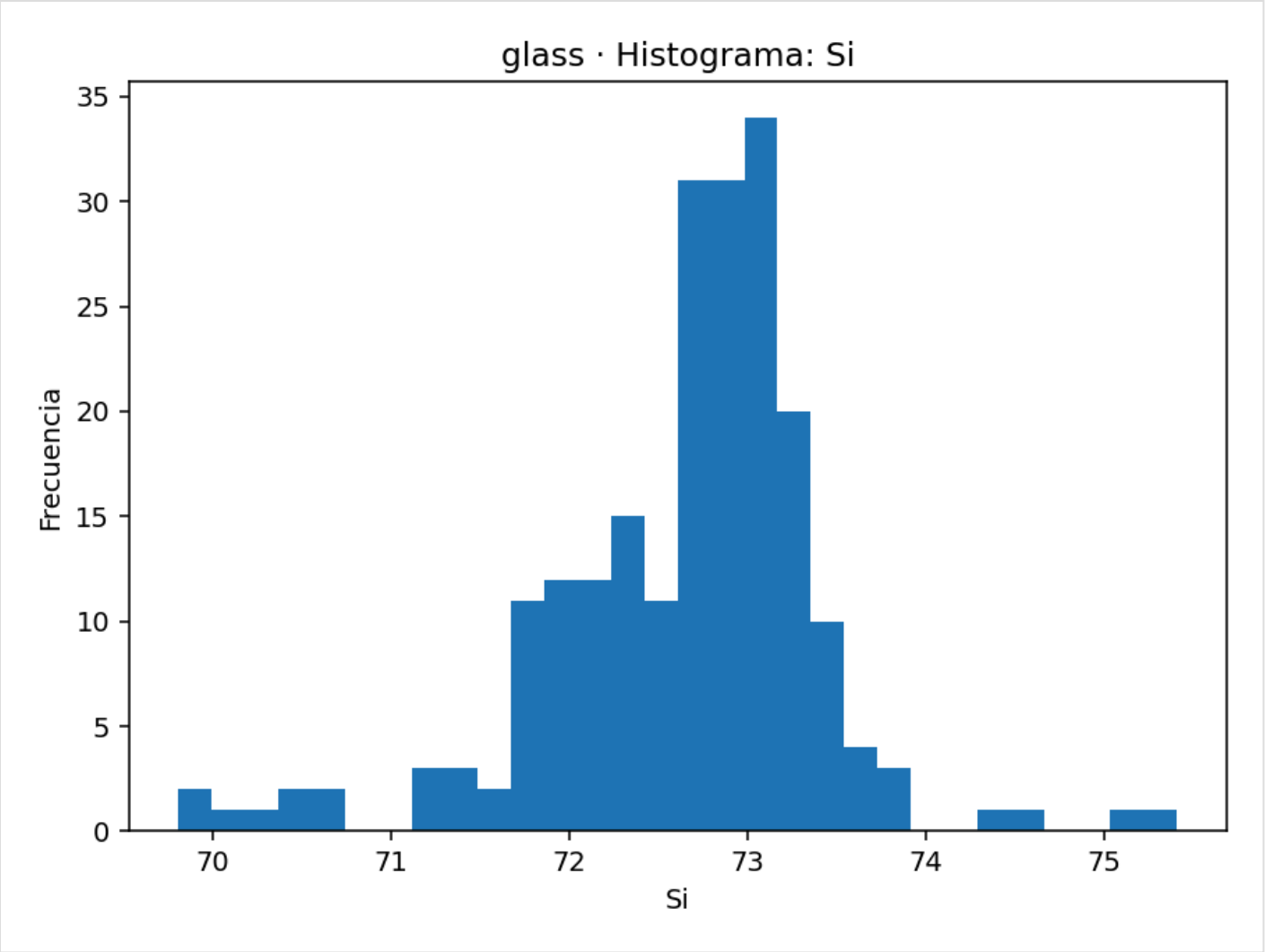
Histograma: Al



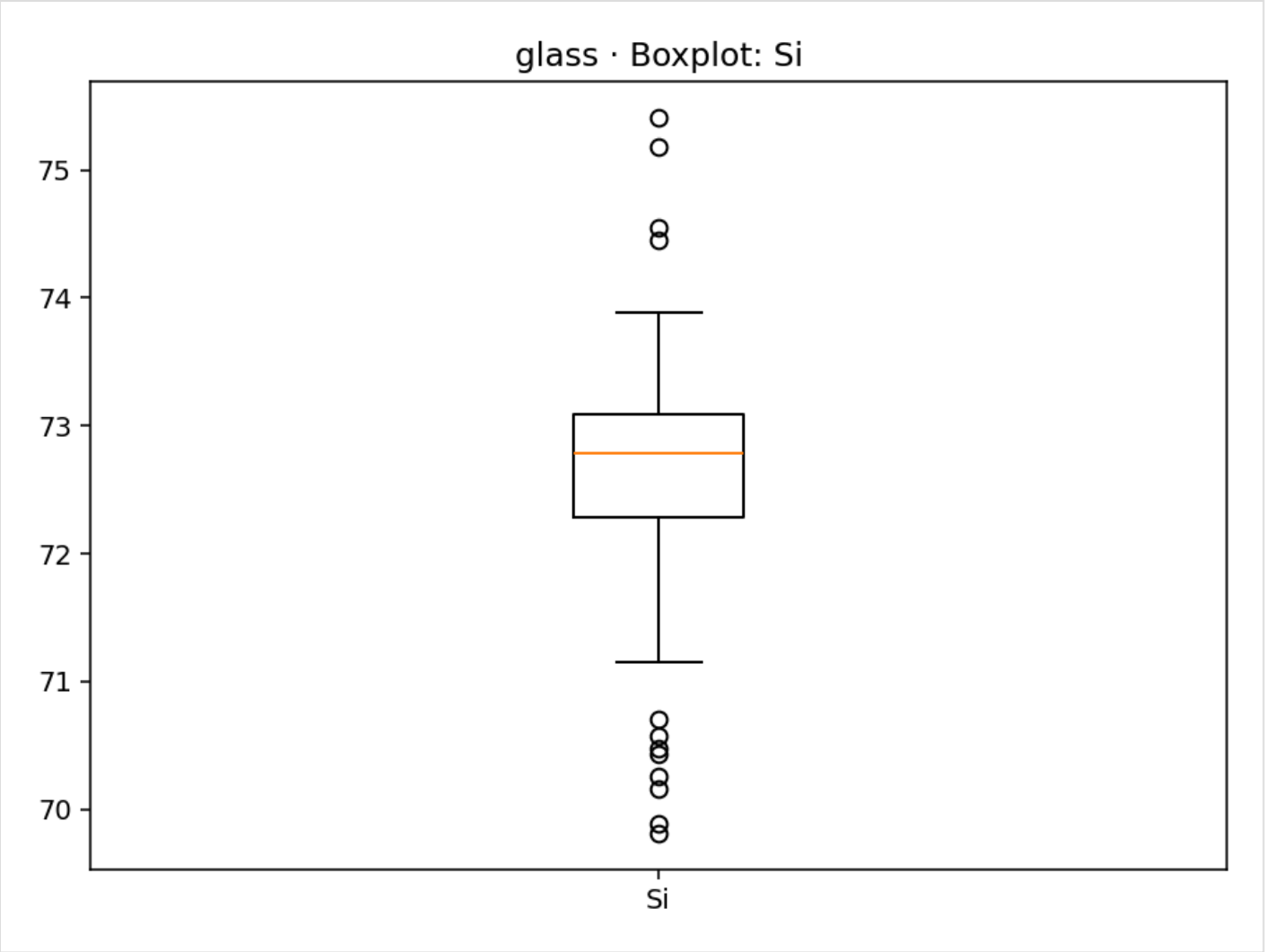
Boxplot: Al



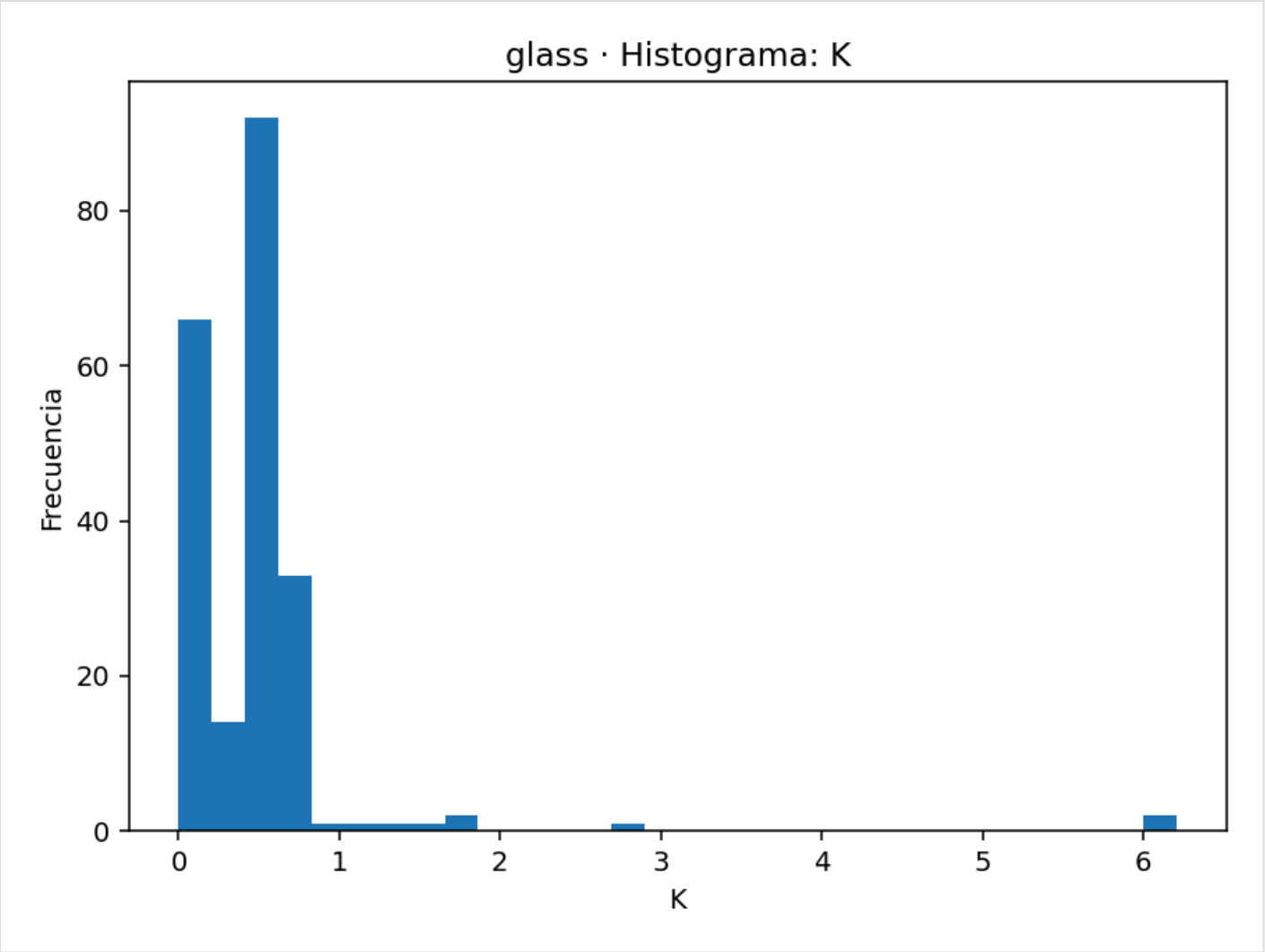
Histograma: Si



Boxplot: Si

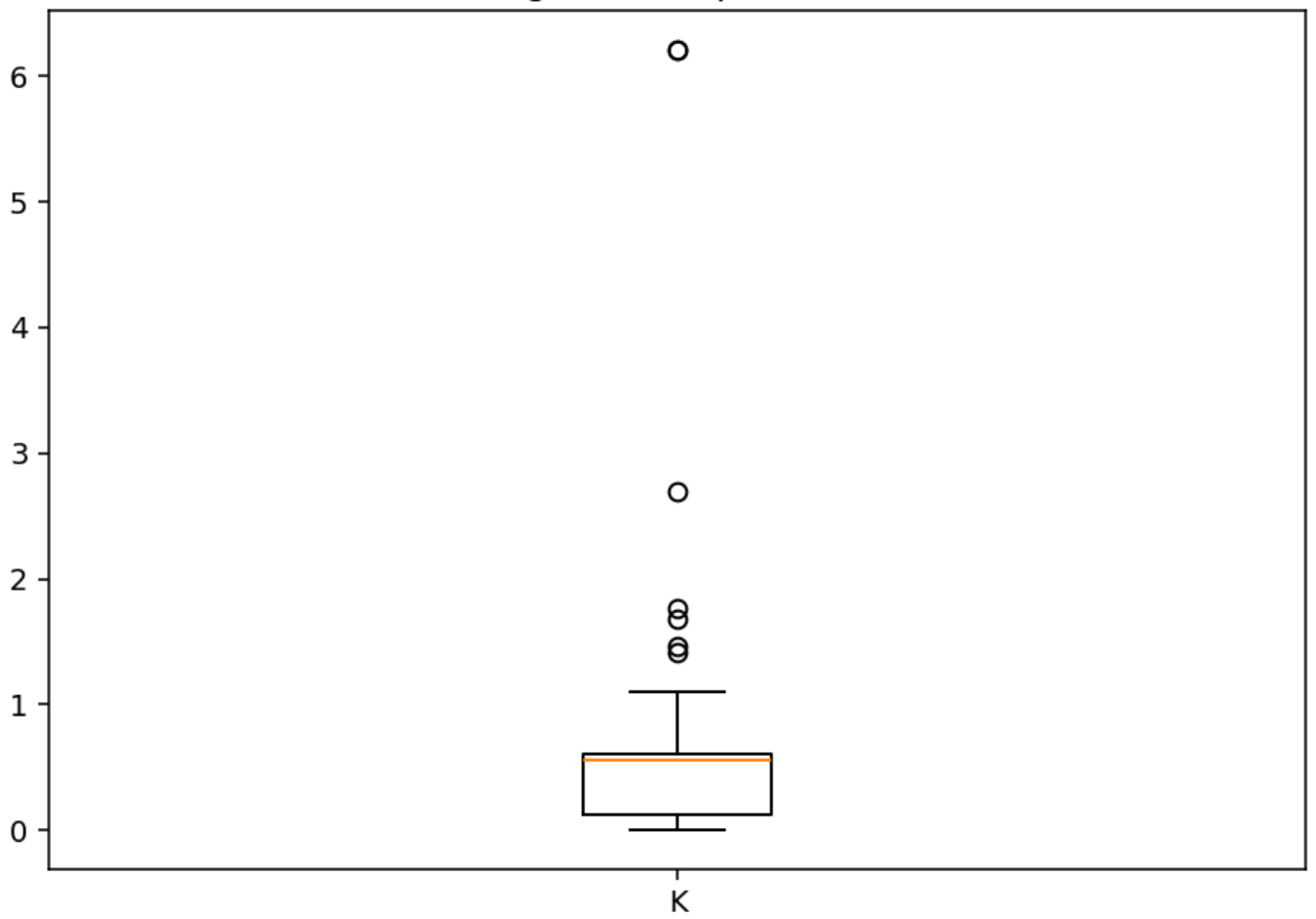


Histograma: K

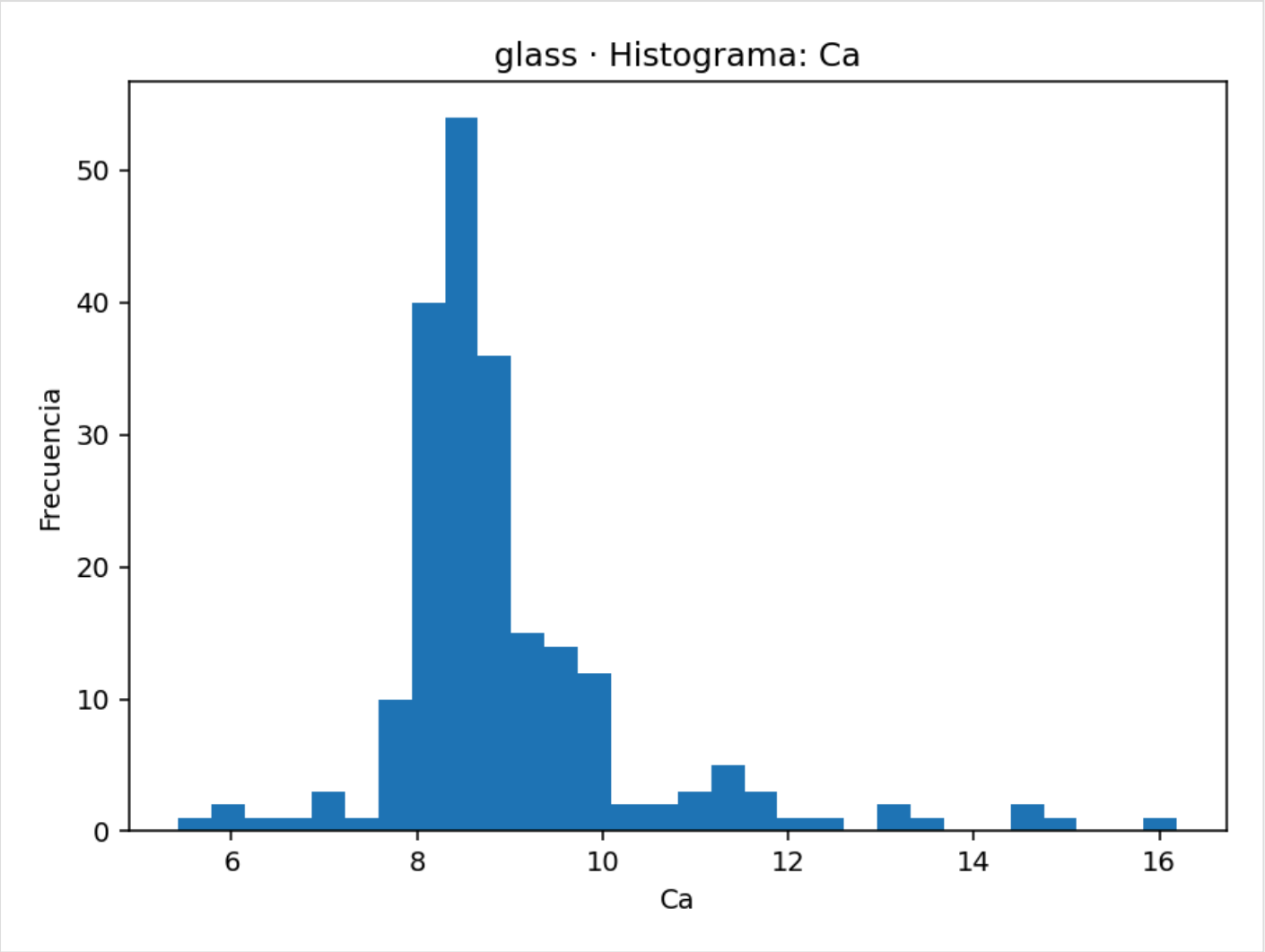


Boxplot: K

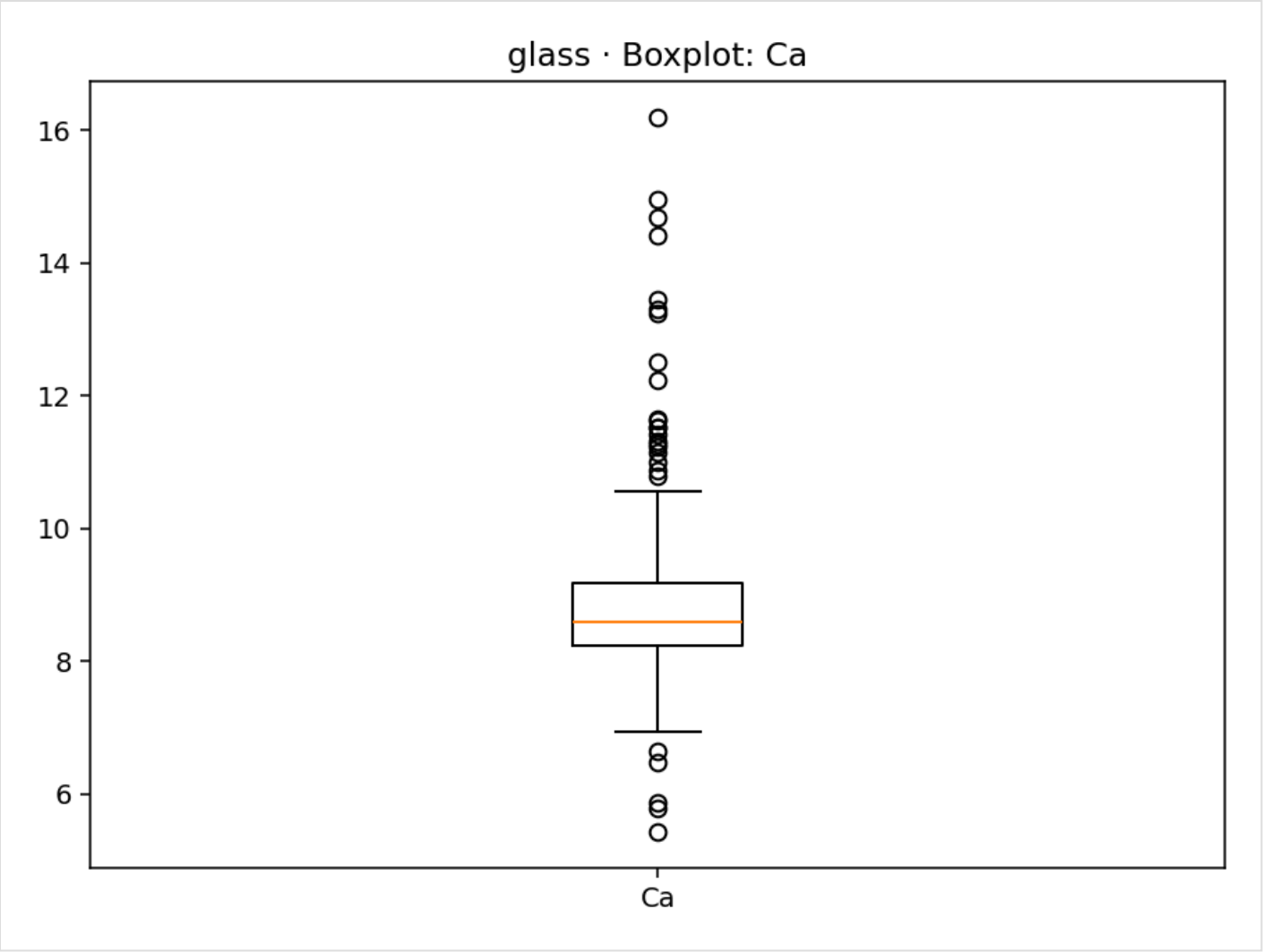
glass · Boxplot: K



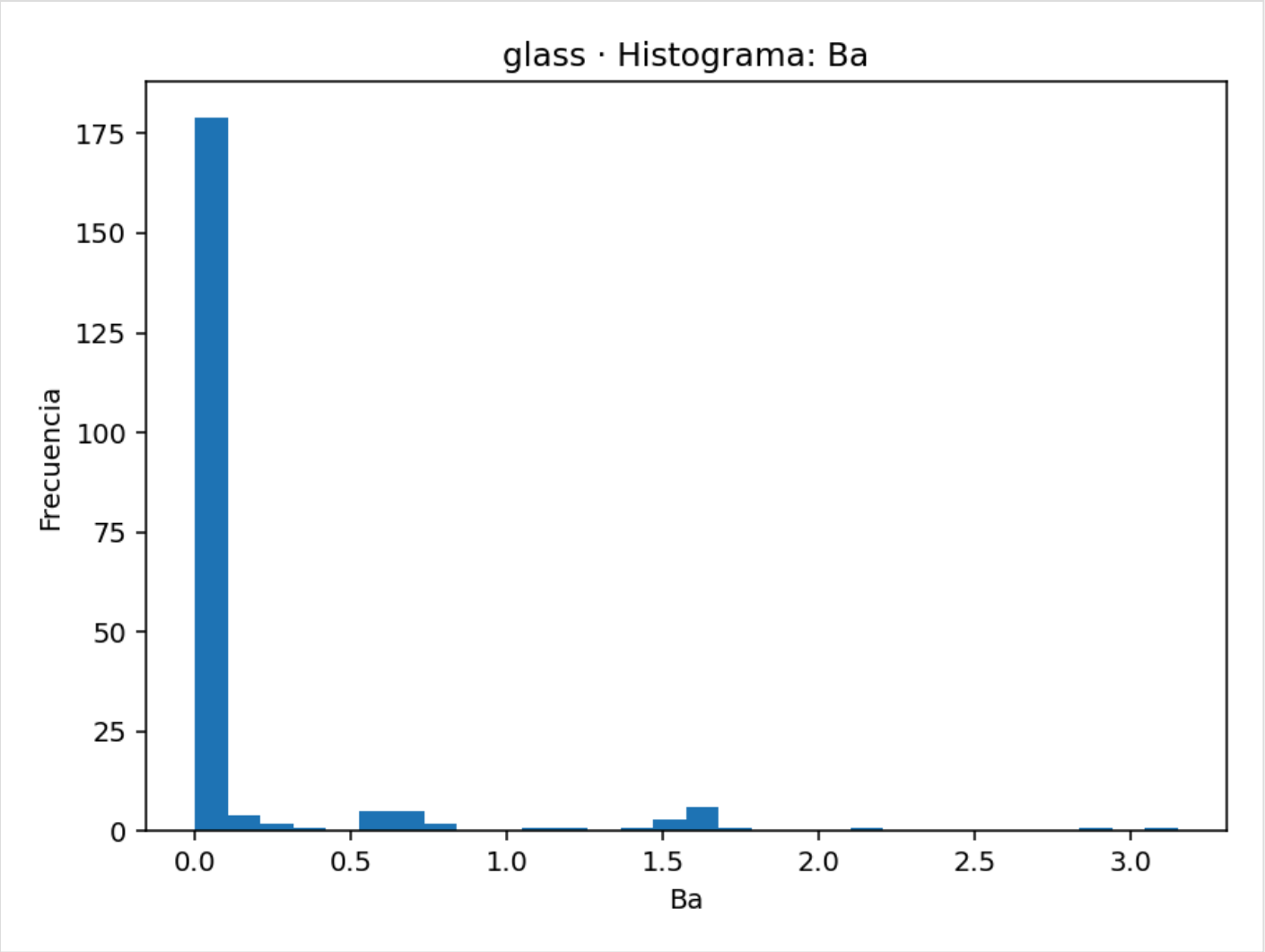
Histograma: Ca



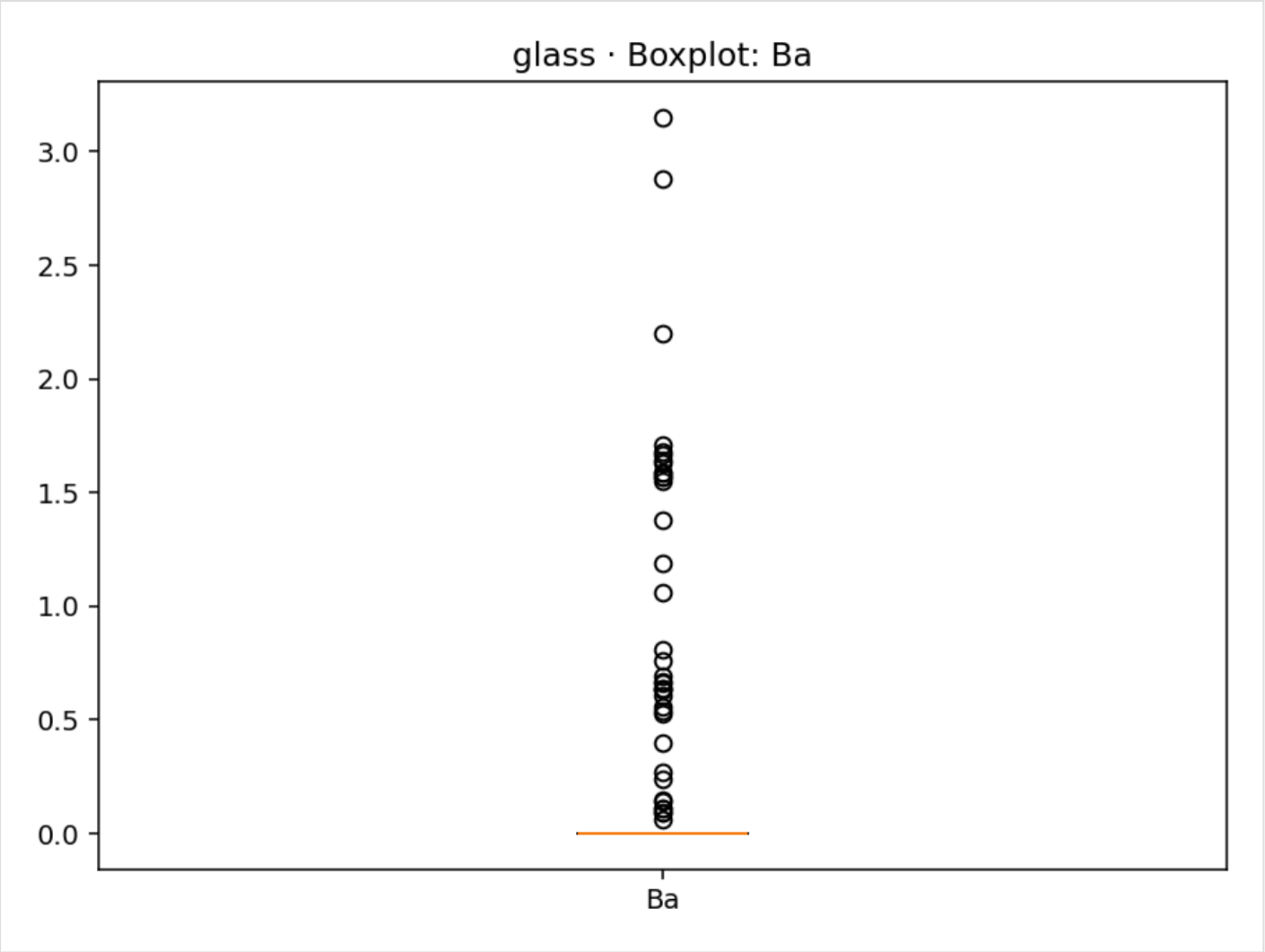
Boxplot: Ca



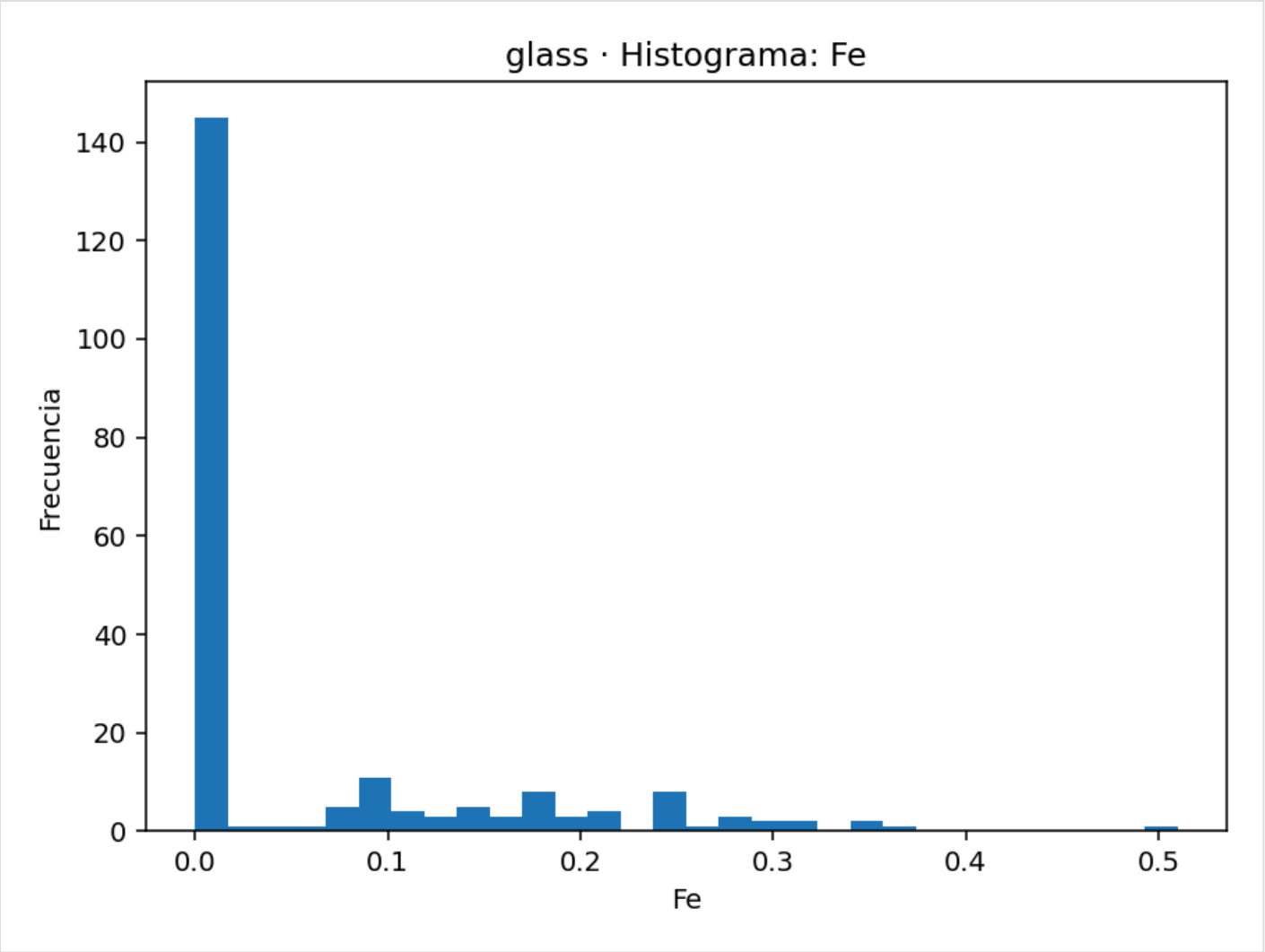
Histograma: Ba



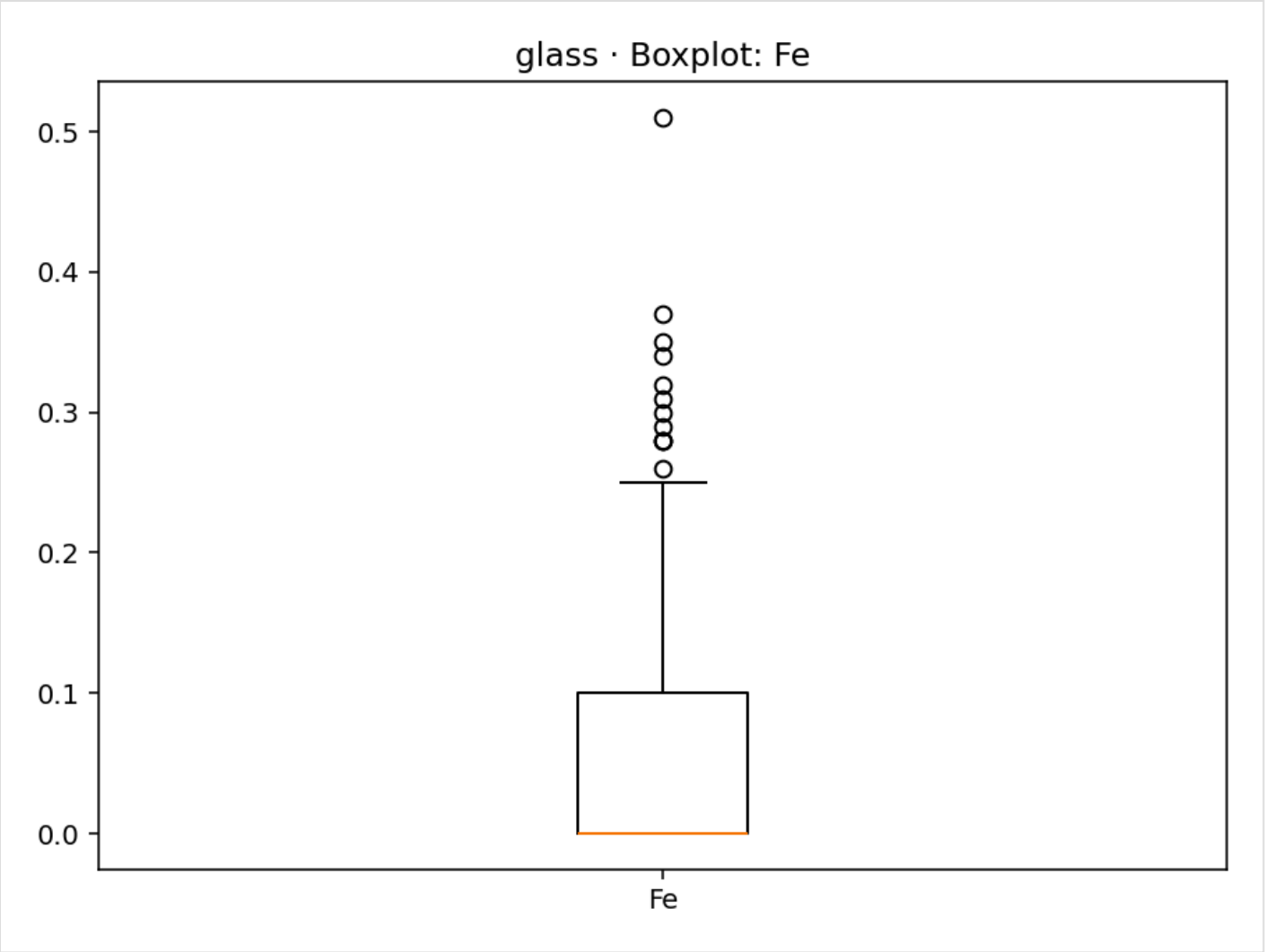
Boxplot: Ba



Histograma: Fe



Boxplot: Fe



Matriz de correlaciones

glass · Matriz de correlaciones (Pearson)

