

# Reporte de análisis — shuttle

## Distribución de clases

Clase	Conteo	Proporción (%)
1	45586	78.6
4	8903	15.35
5	3267	5.63
3	171	0.29
2	50	0.09
7	13	0.02
6	10	0.02

## Métricas clave del dataset

cantidad_muestras	58000
cantidad_atributos	9
cantidad_clases	7
clase_minima_real	6
clase_mayoritaria_real	1
n_min	10
n_max	45586
ratio_desequilibrio_max	4558.6
entropia_clases	0.6656301809324511
tamano_efectivo_clases	1.945716288373651
porcentaje_faltantes	0.0
porcentaje_duplicados	0.0
asimetria_mediana	1.0961003639038507
curtosis_mediana	8.437653103099333
porcentaje_variables_con_normalidad_no_rechazada	0.0

correlacion_absoluta_maxima	0.9147312697866925
porcentaje_pares_correlacion_mayor_0_9	2.7777777777777777
rango_mediano_variables	623.0
rango_maximo_variables	41903.0
sugerencia_escalado	RobustScaler

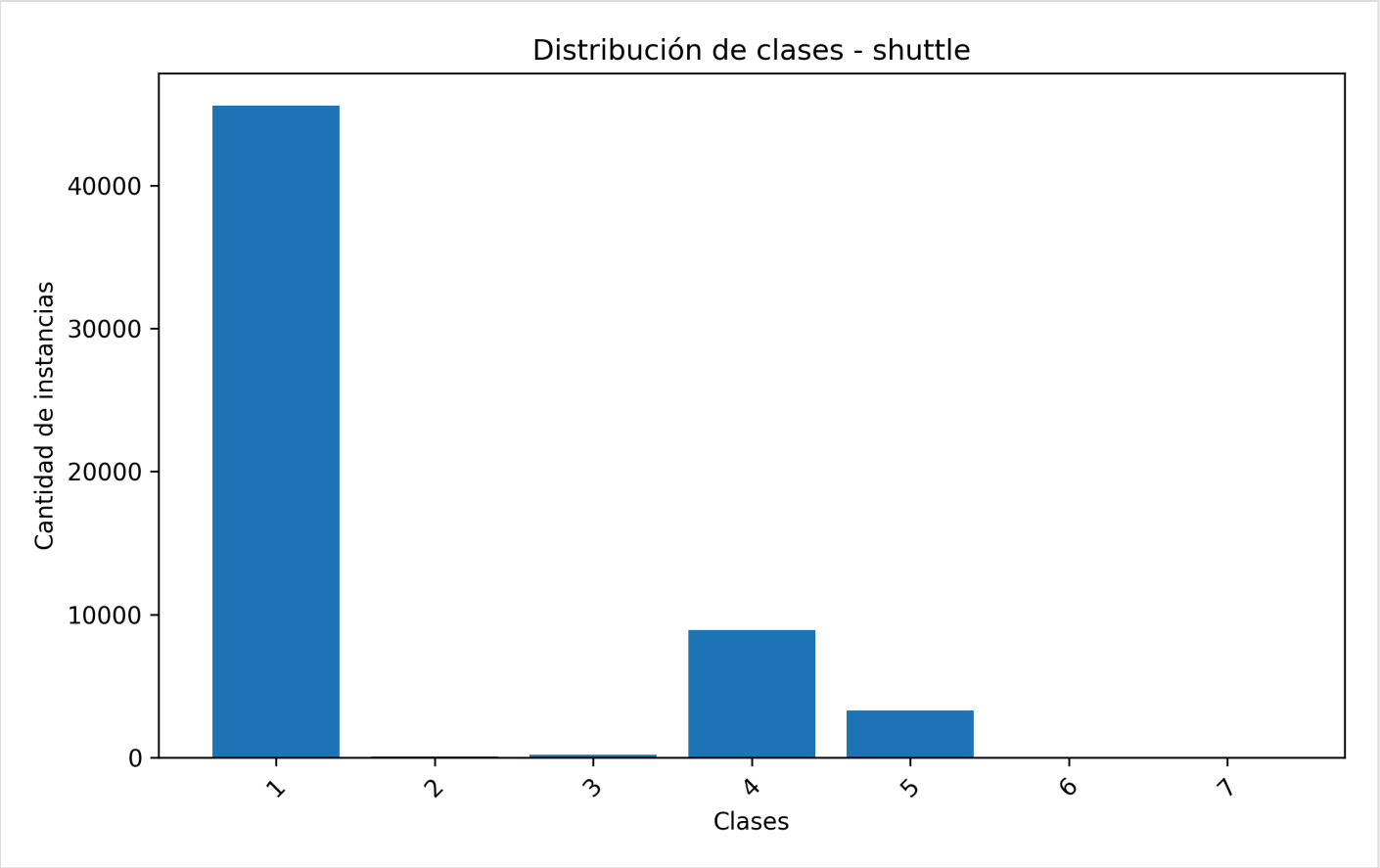
## PCA — Varianza explicada

PC1: **0.835** · PC1+PC2: **0.942** · PC1+PC2+PC3: **0.968**

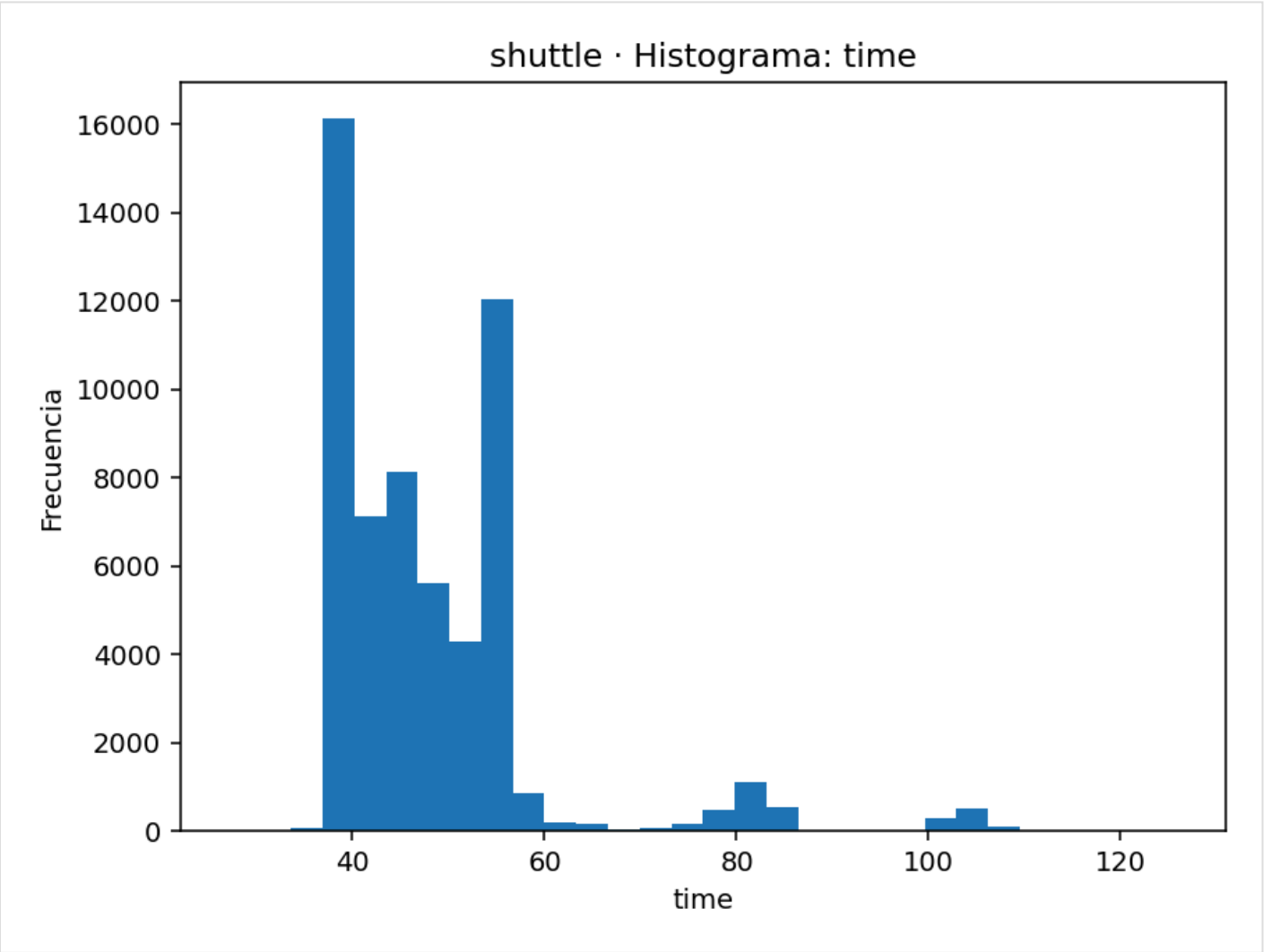
Componente	Varianza explicada
PC1	0.834713
PC2	0.107146
PC3	0.026187
PC4	0.023416
PC5	0.005795

## Figuras

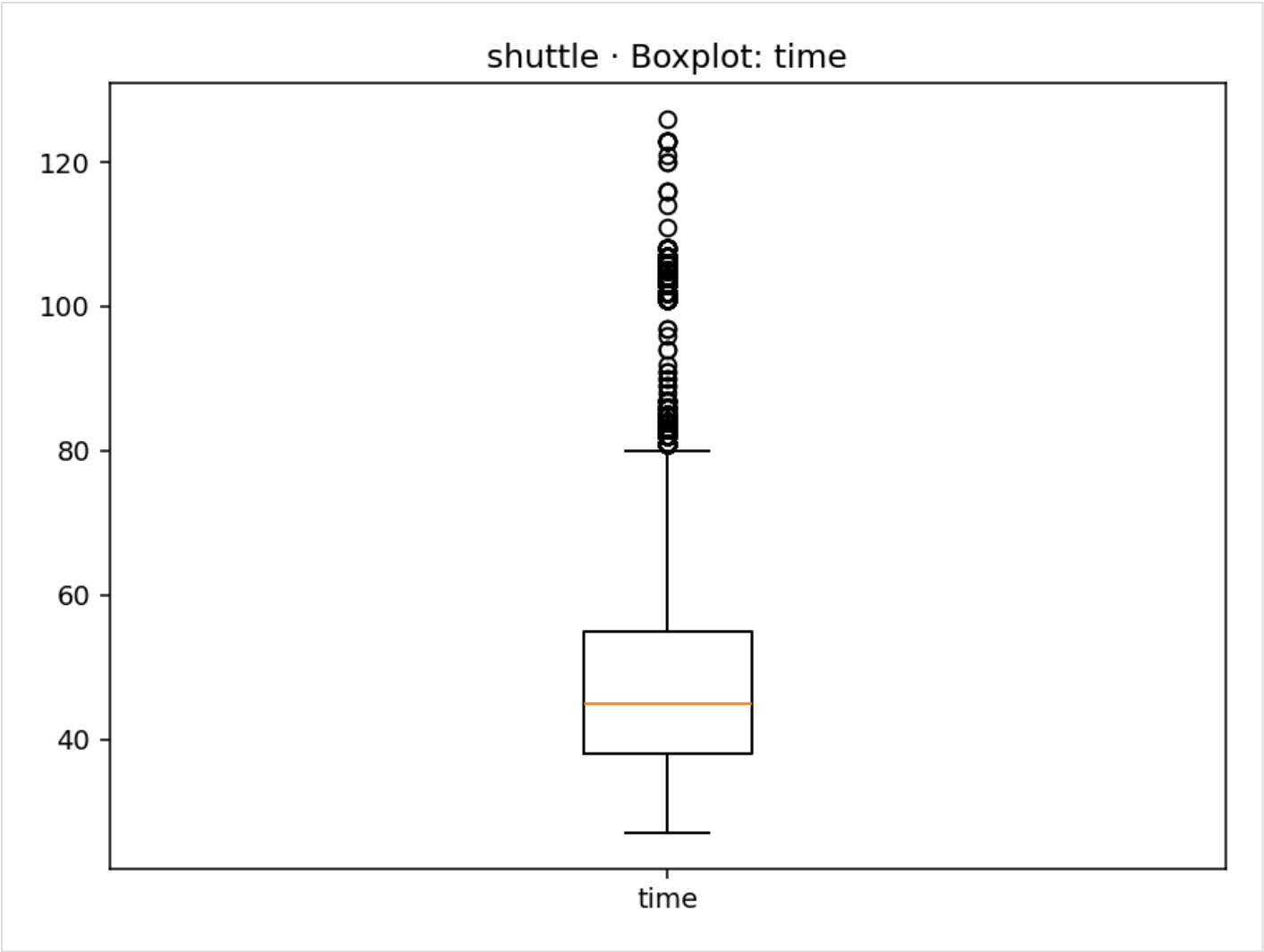
Distribución de clases



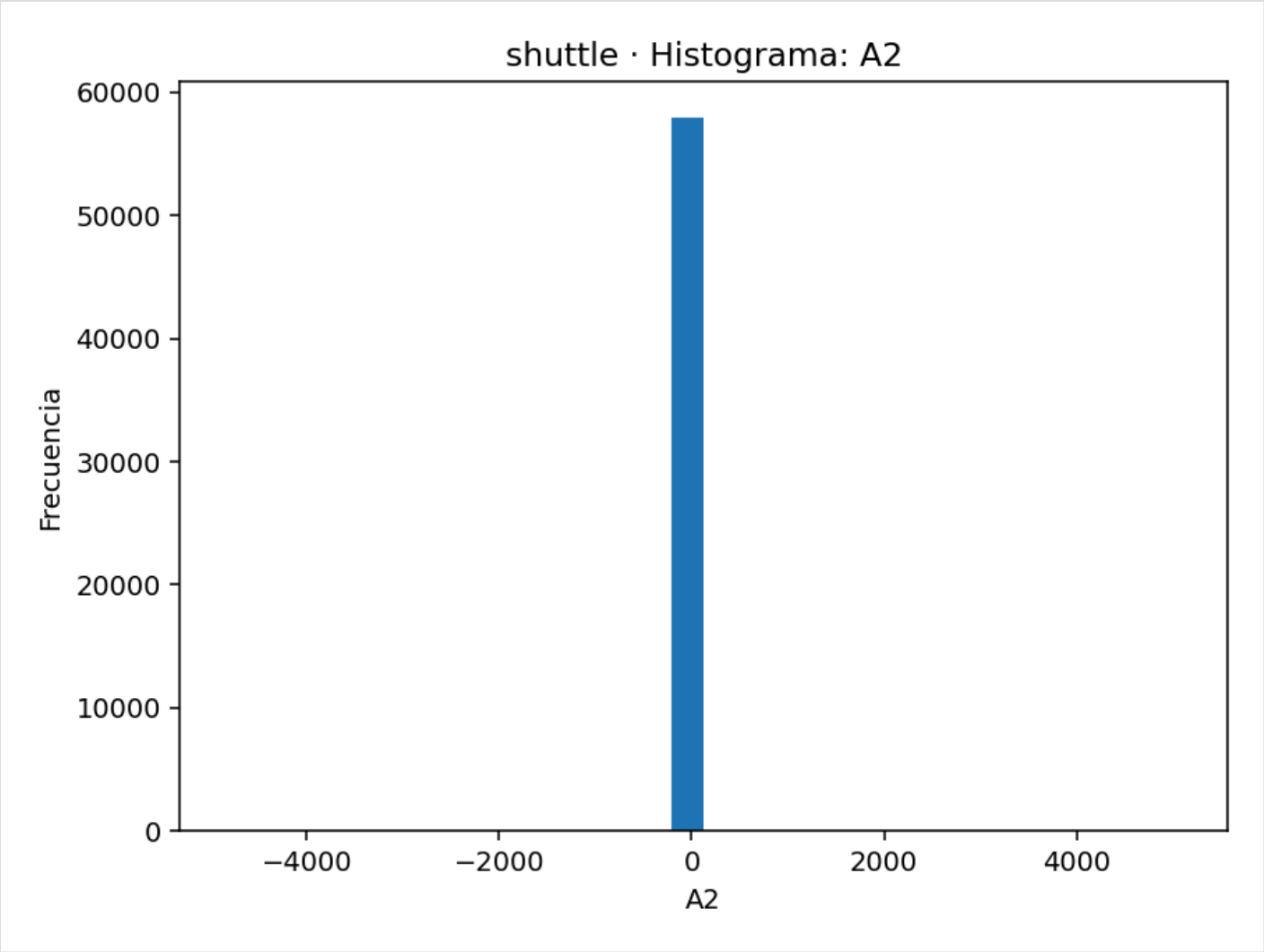
Histograma: time



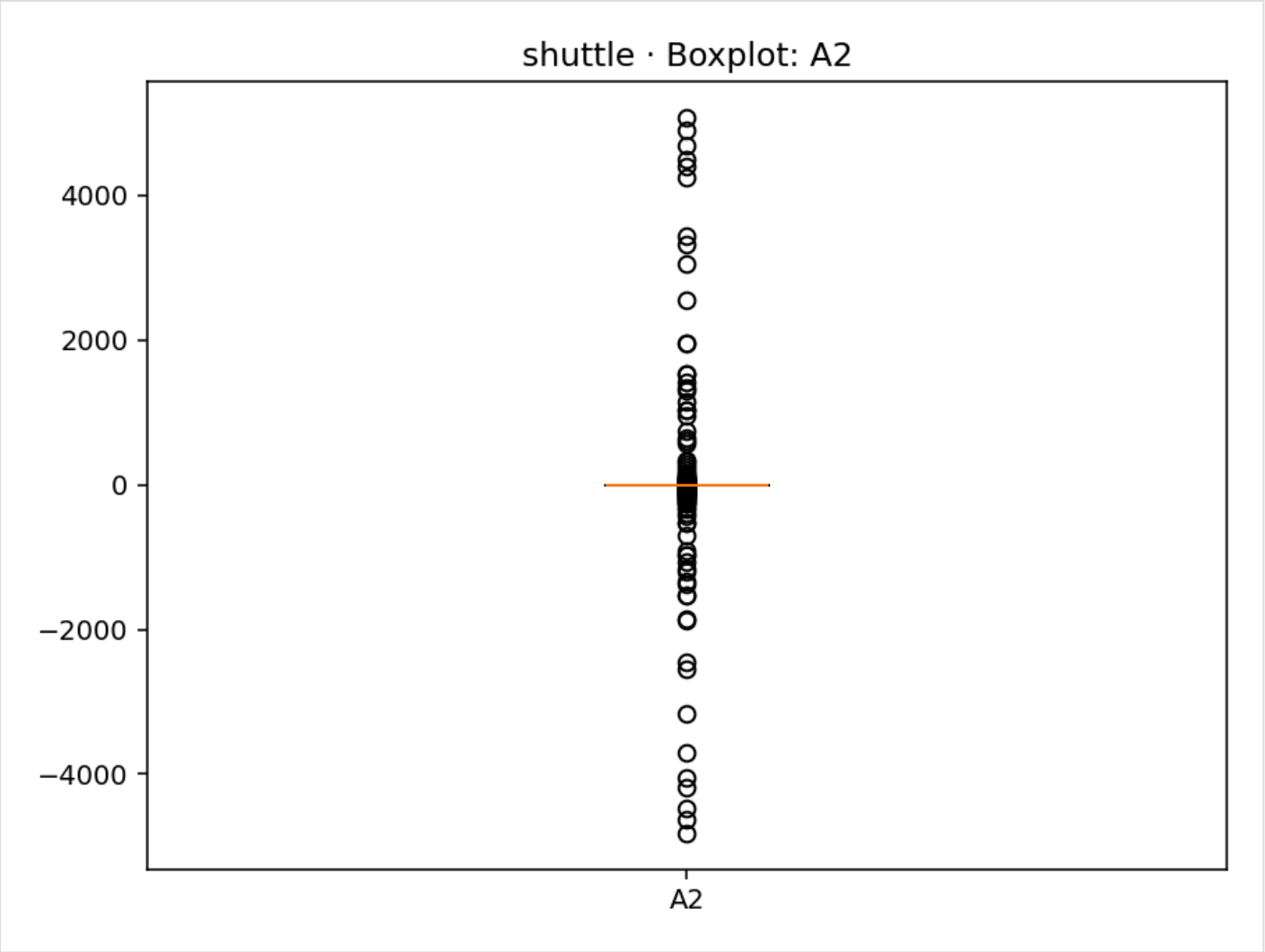
Boxplot: time



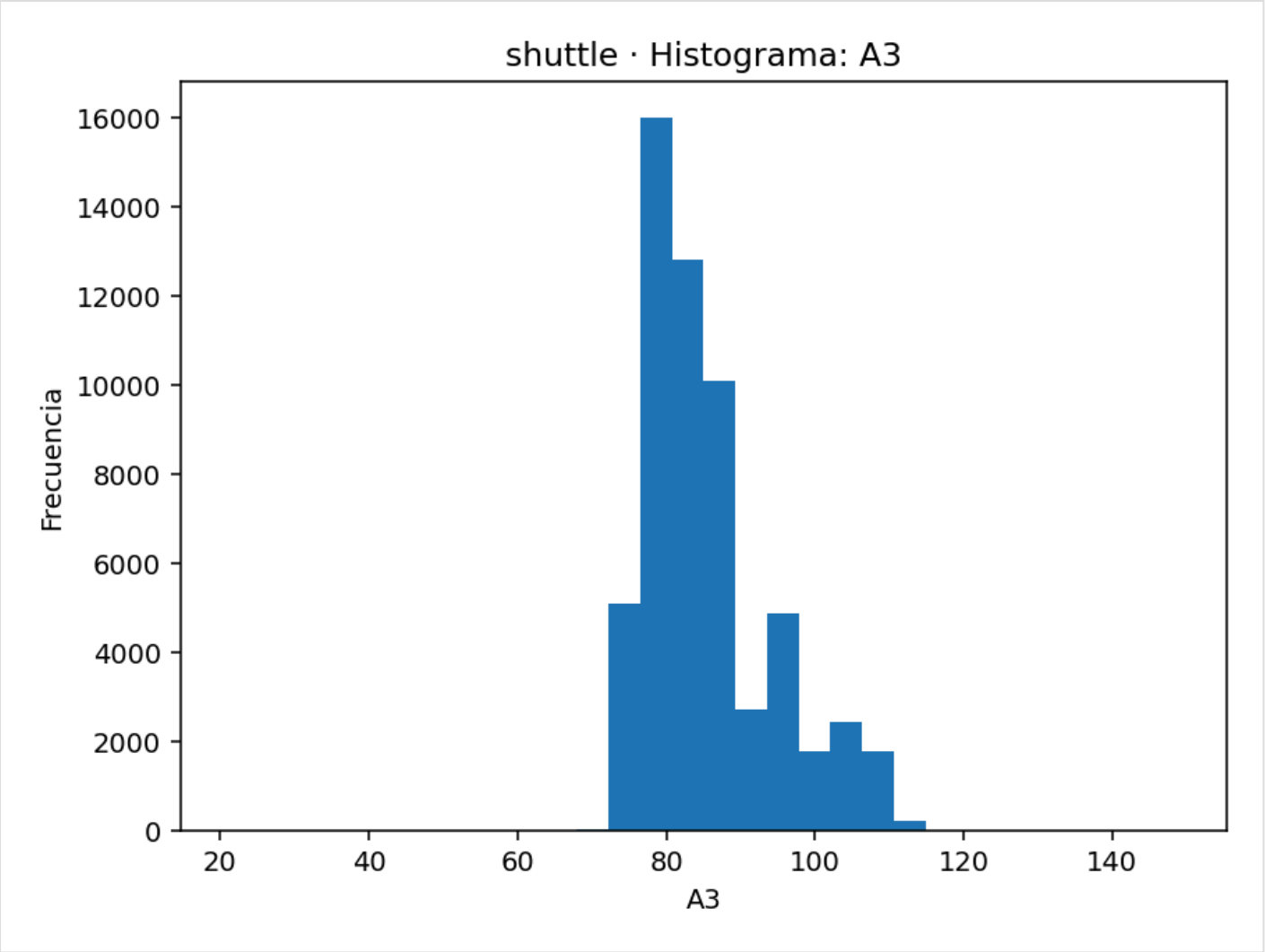
Histograma: A2



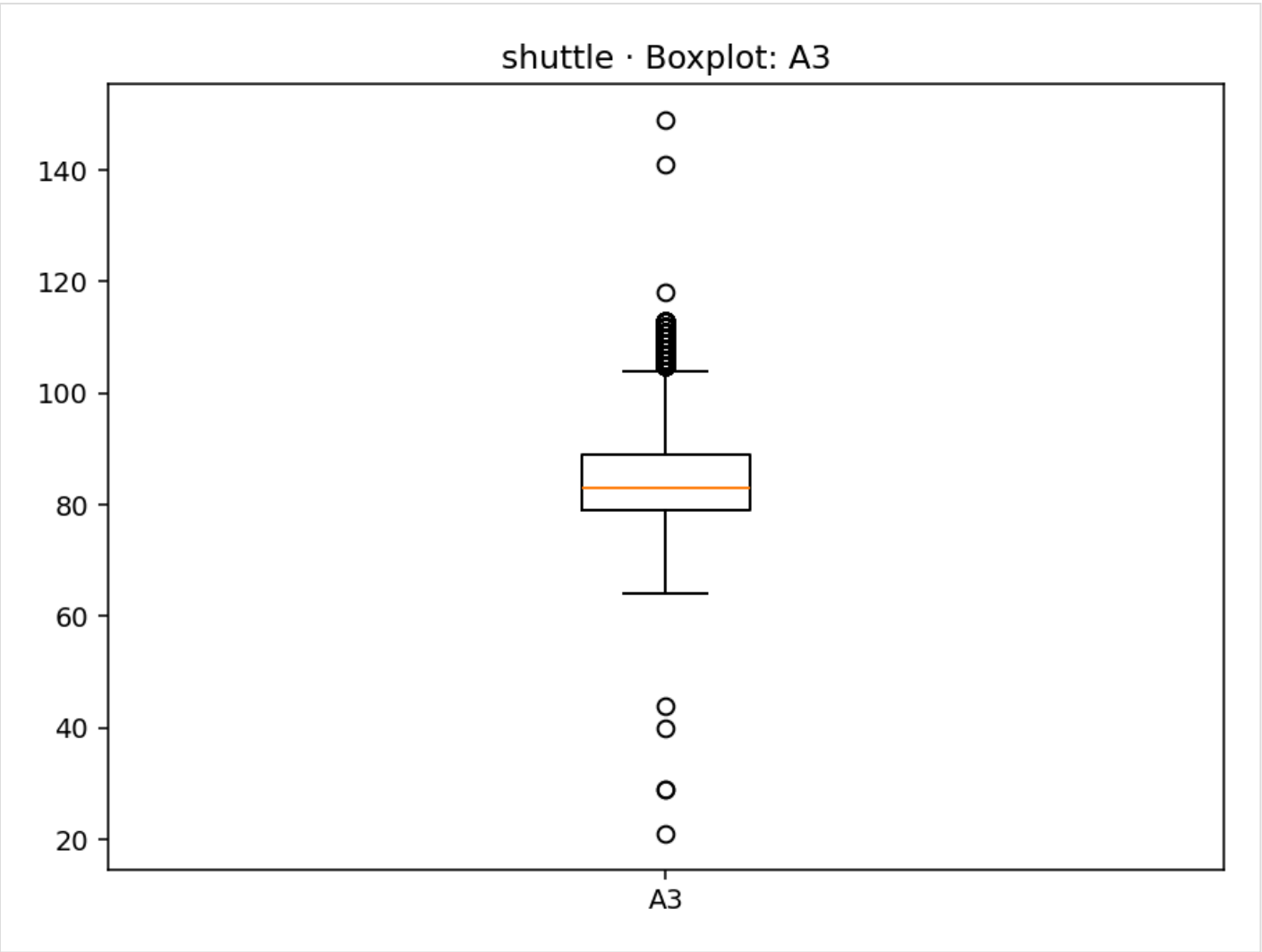
**Boxplot: A2**



Histograma: A3

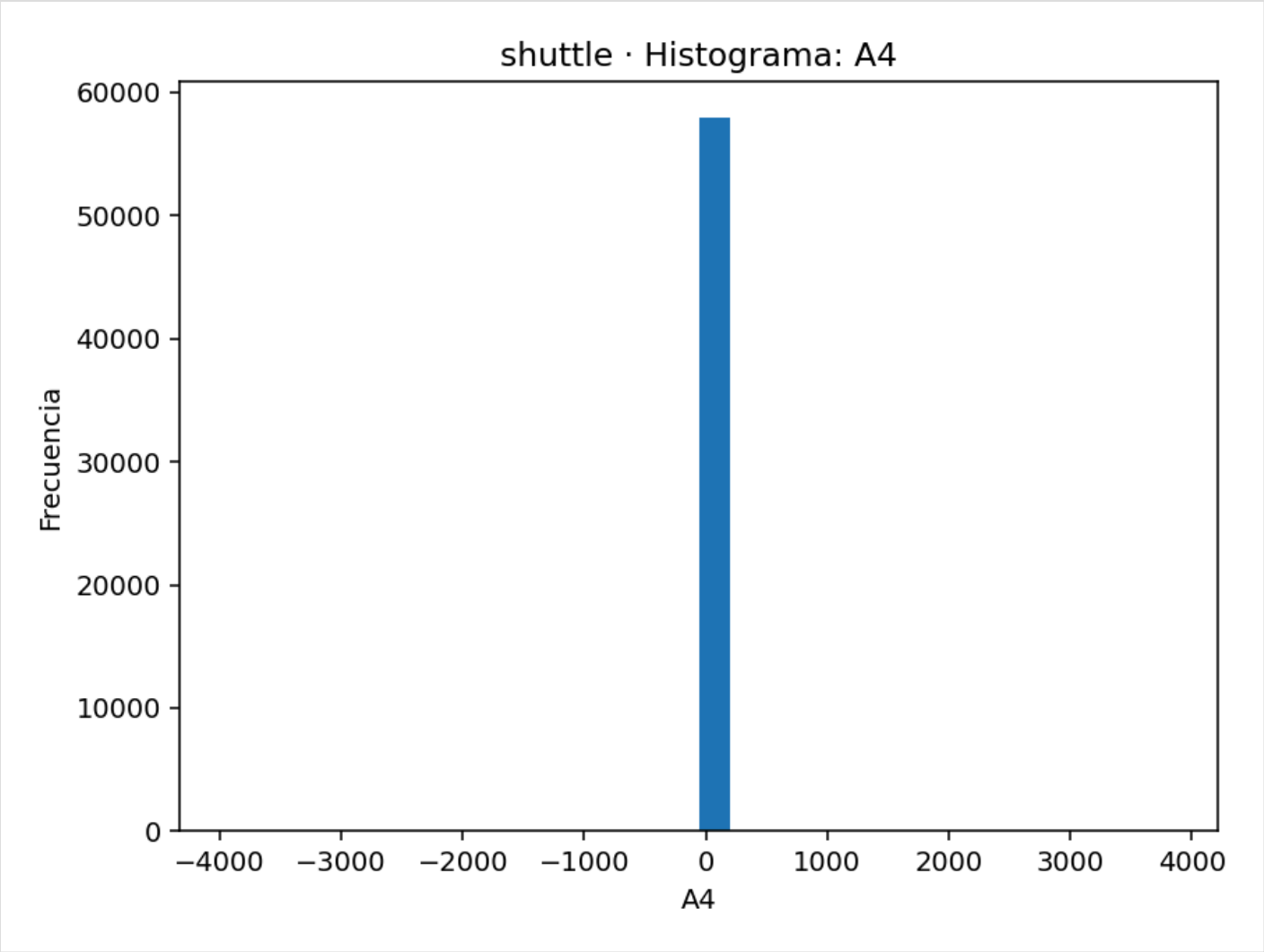


**Boxplot: A3**

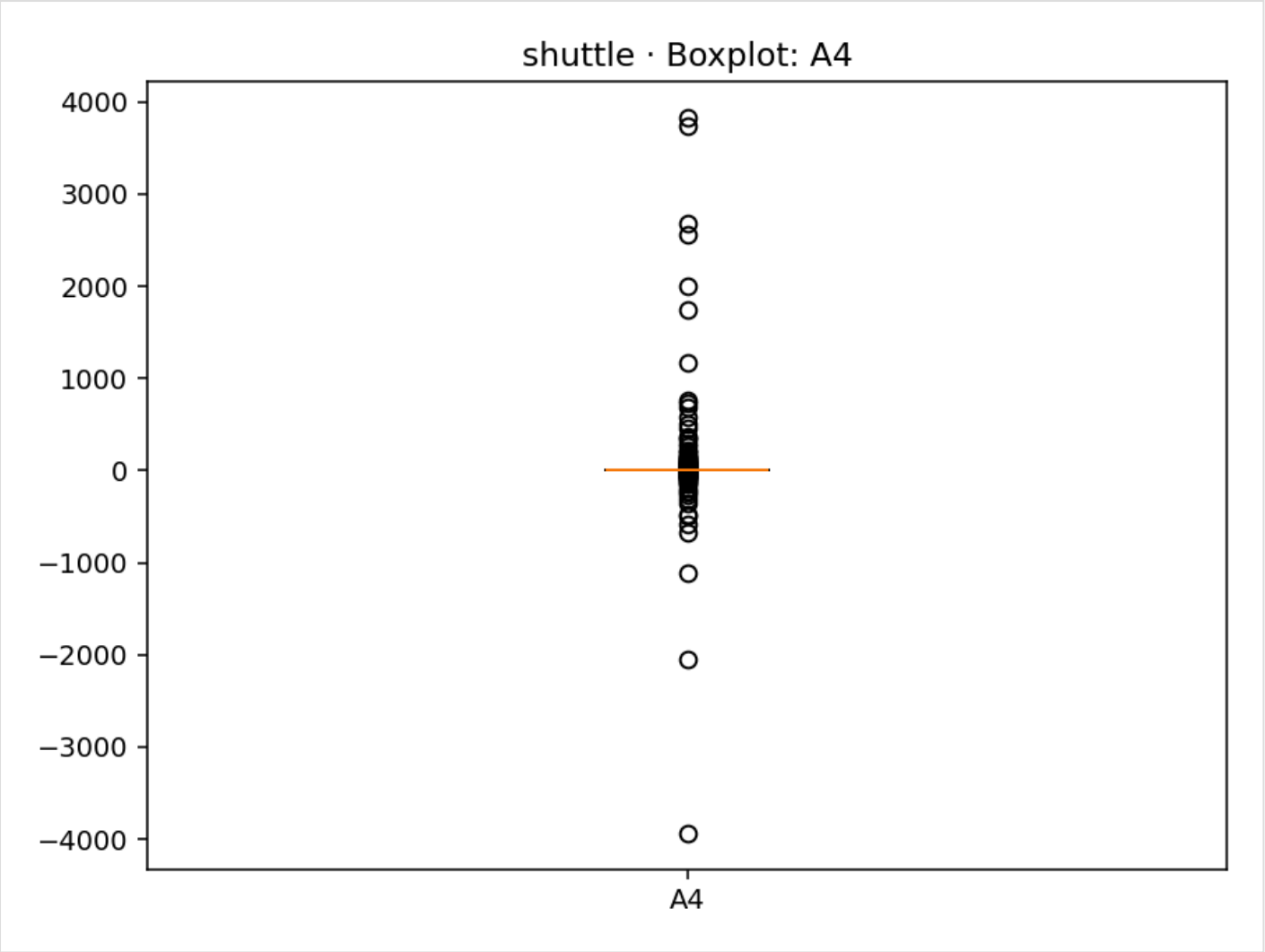


Histograma: A4

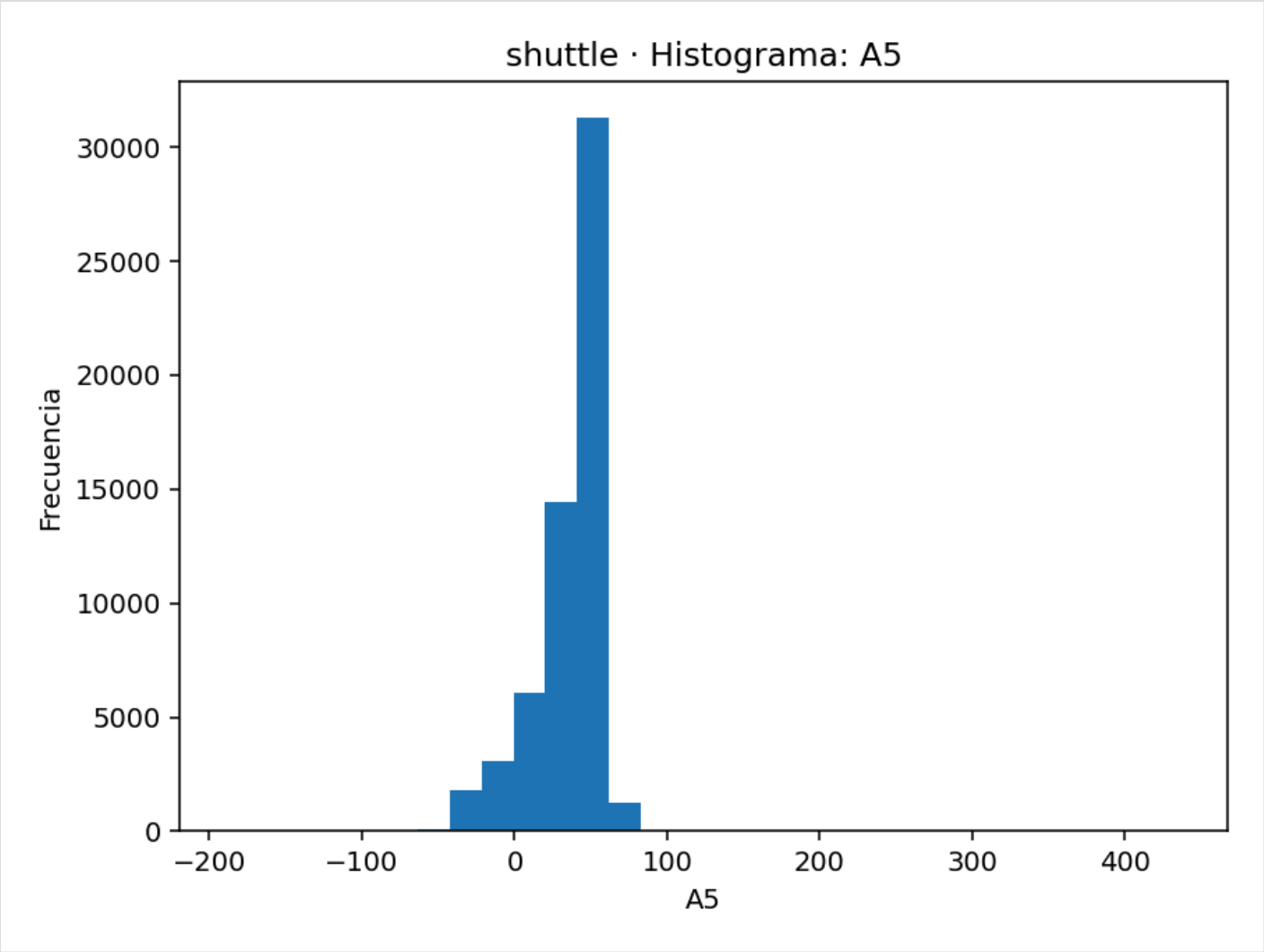




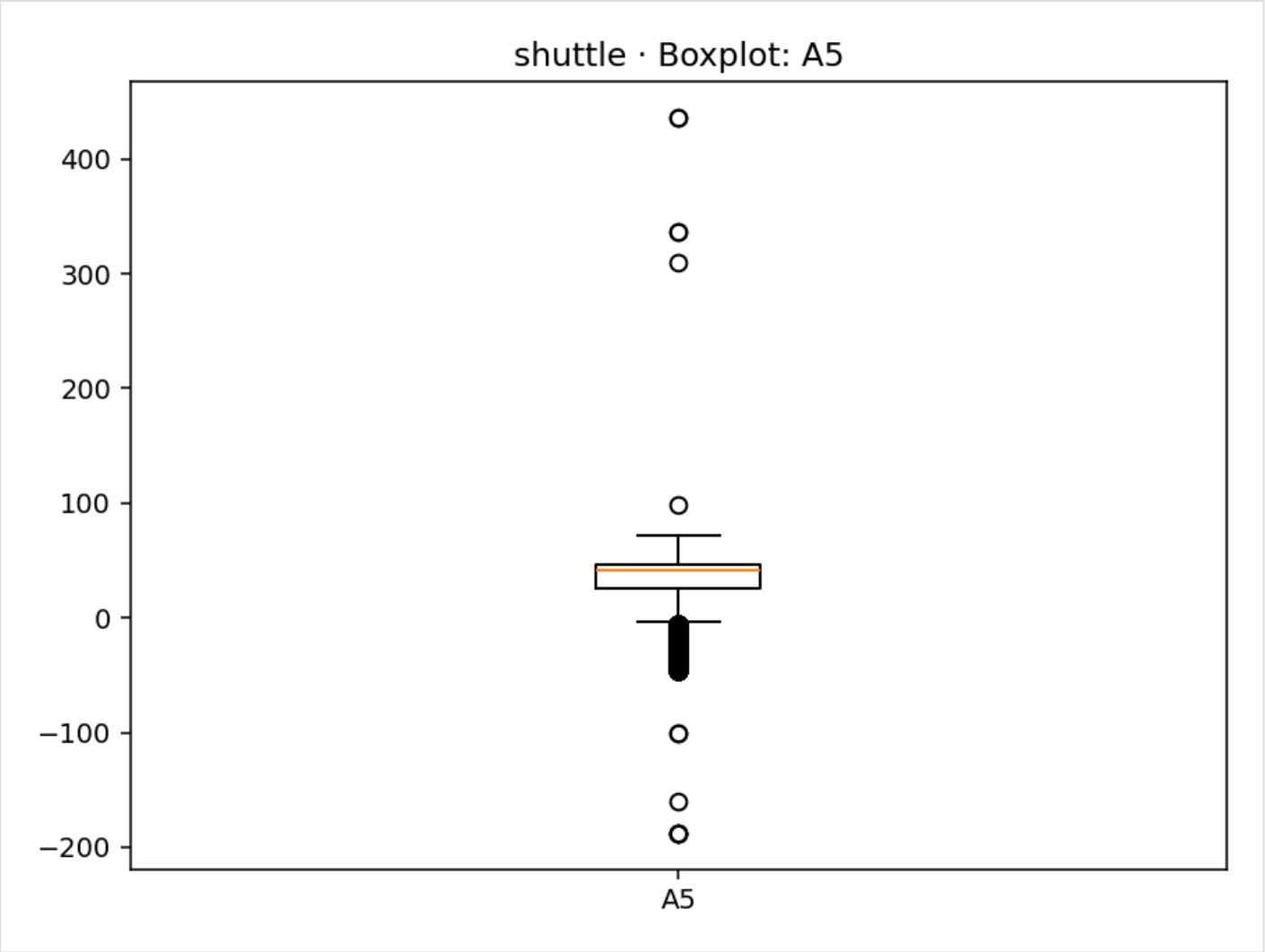
**Boxplot: A4**



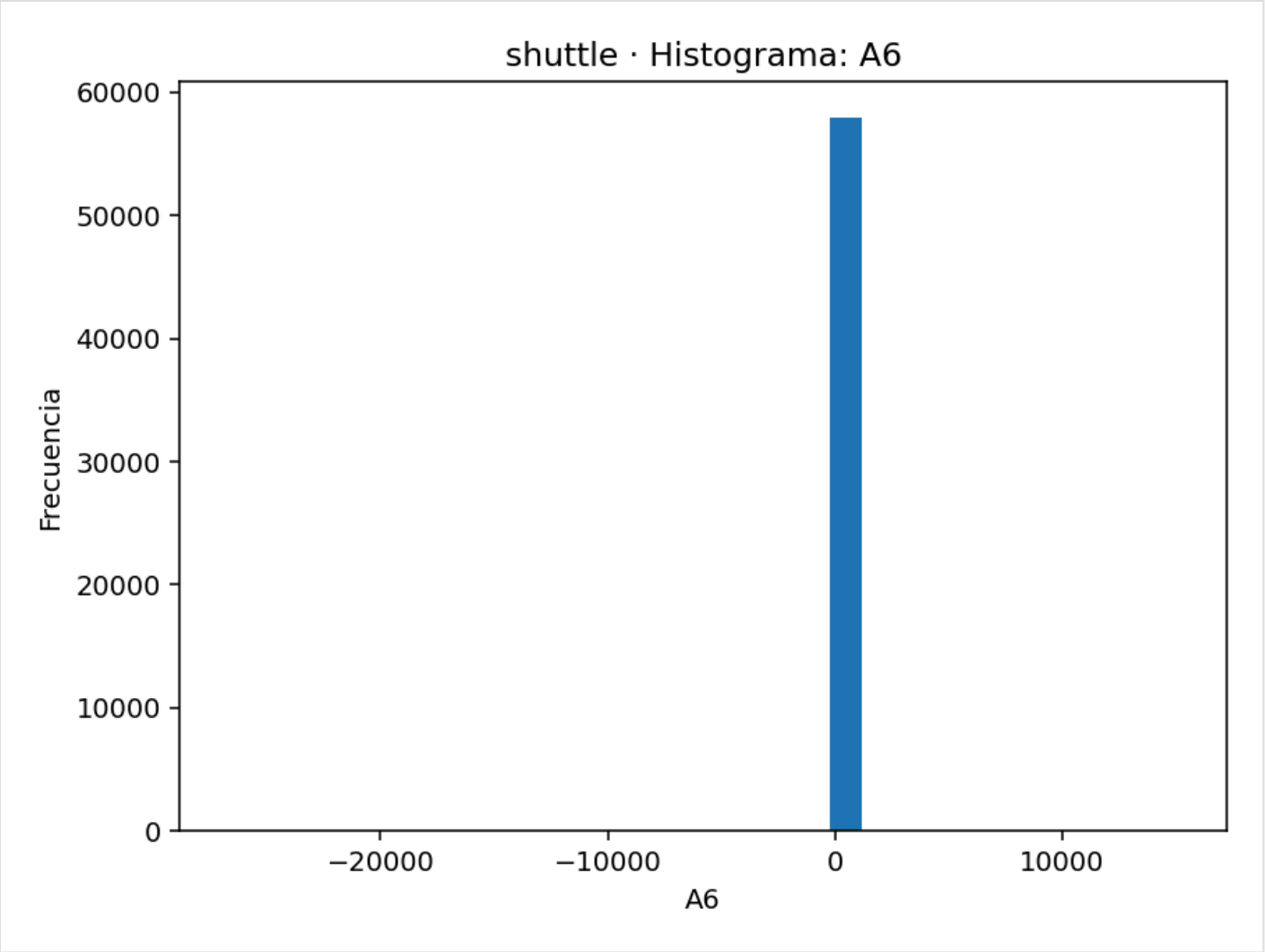
Histograma: A5



**Boxplot: A5**

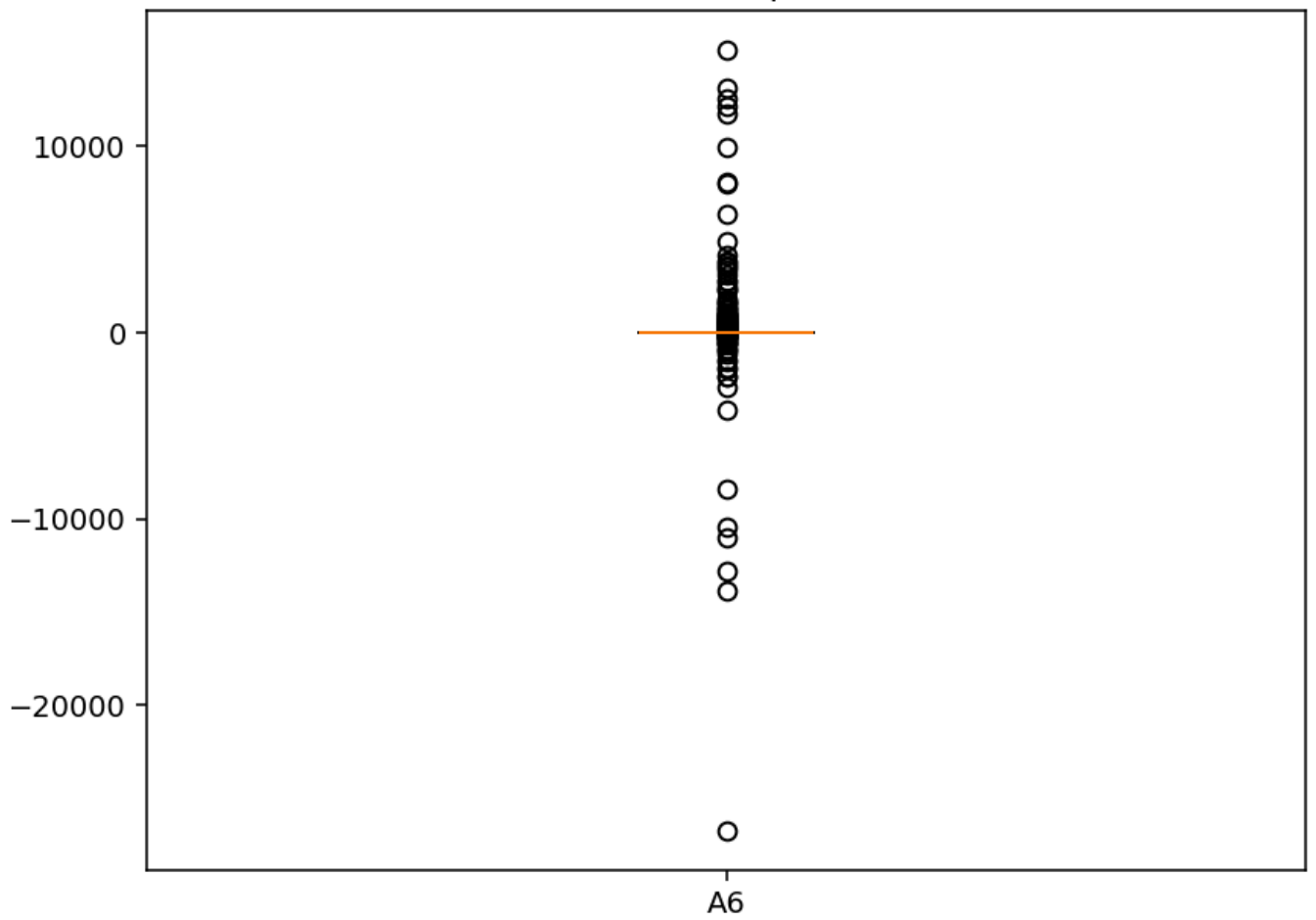


Histograma: A6

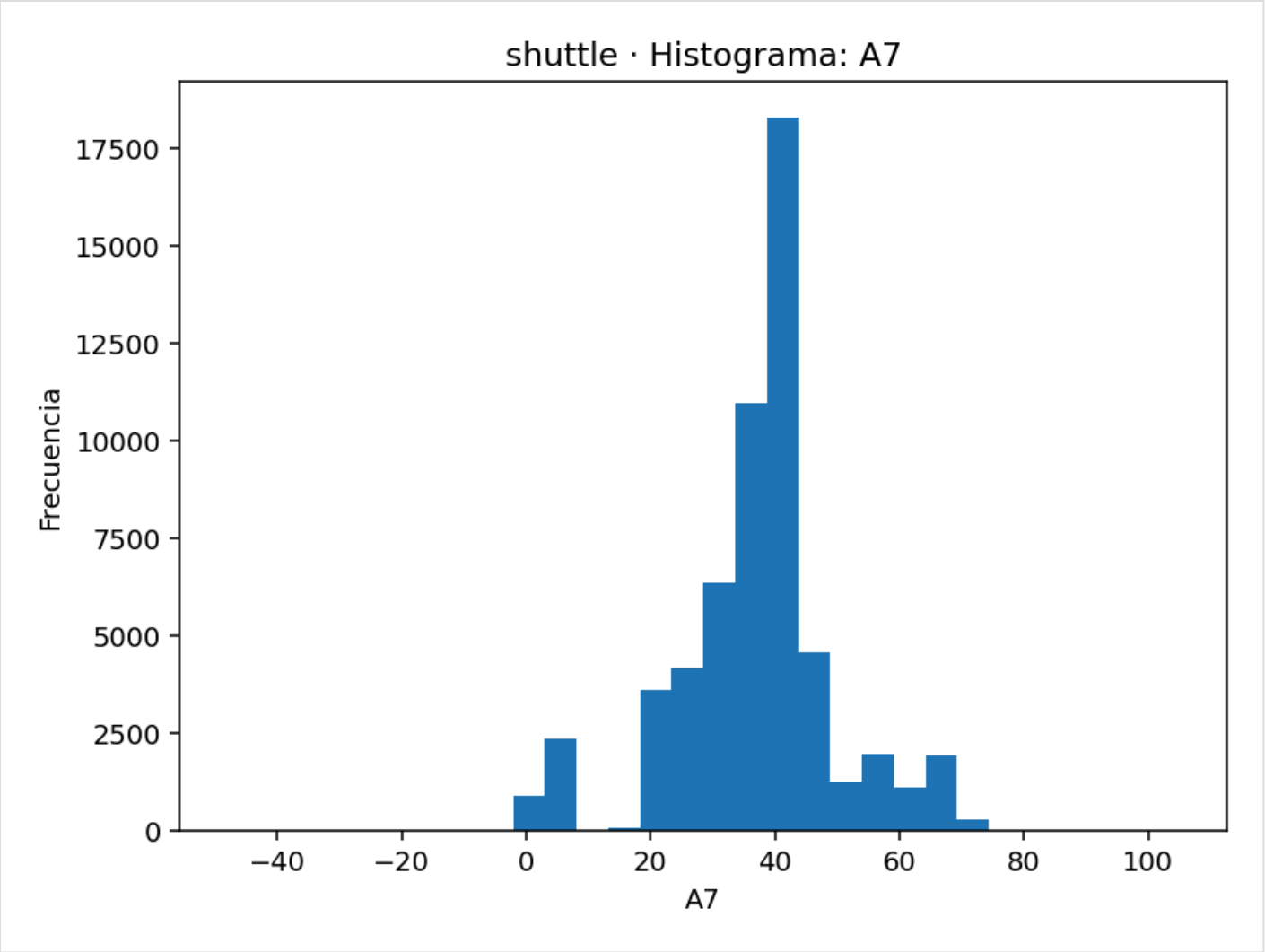


**Boxplot: A6**

shuttle · Boxplot: A6

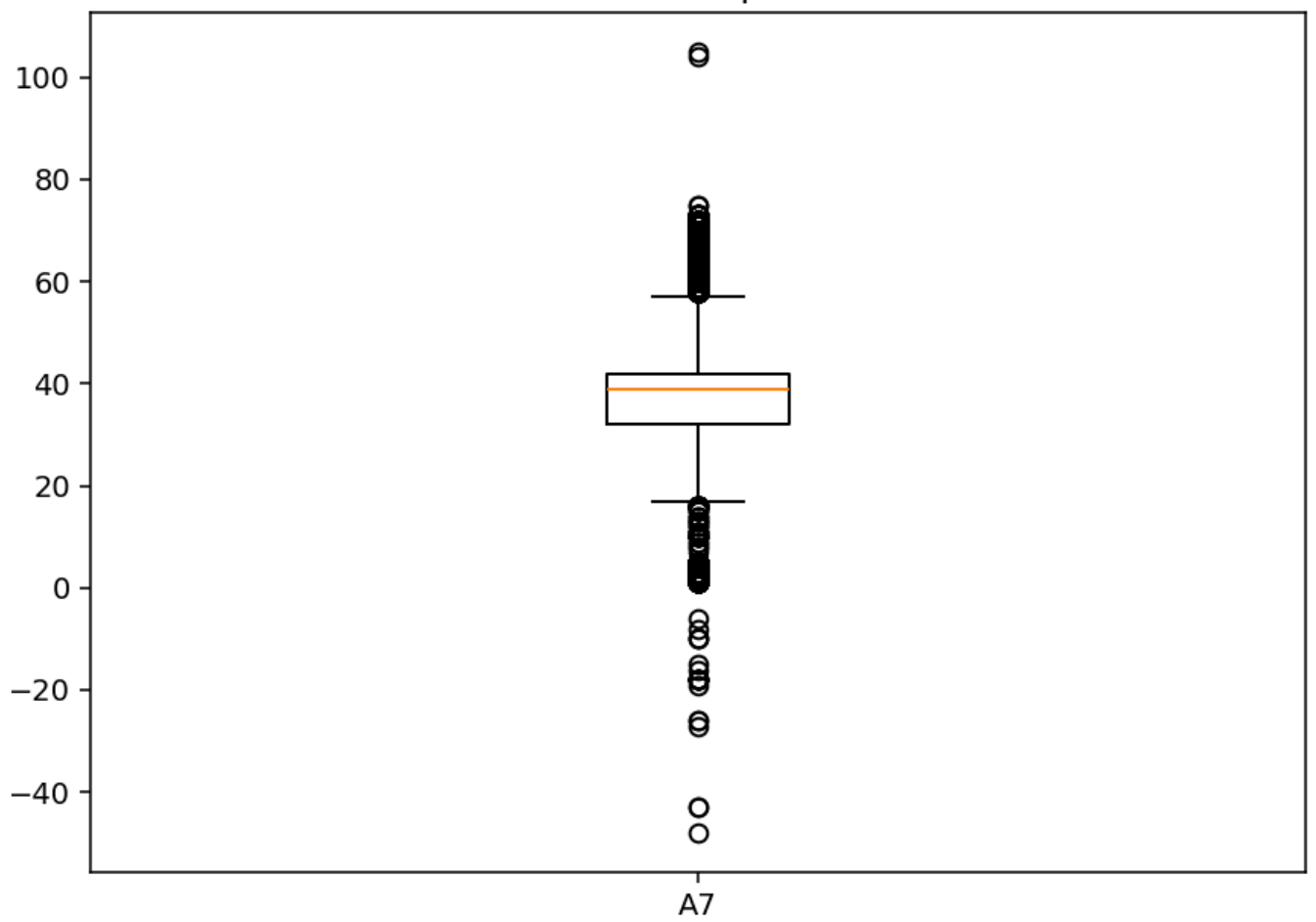


Histograma: A7



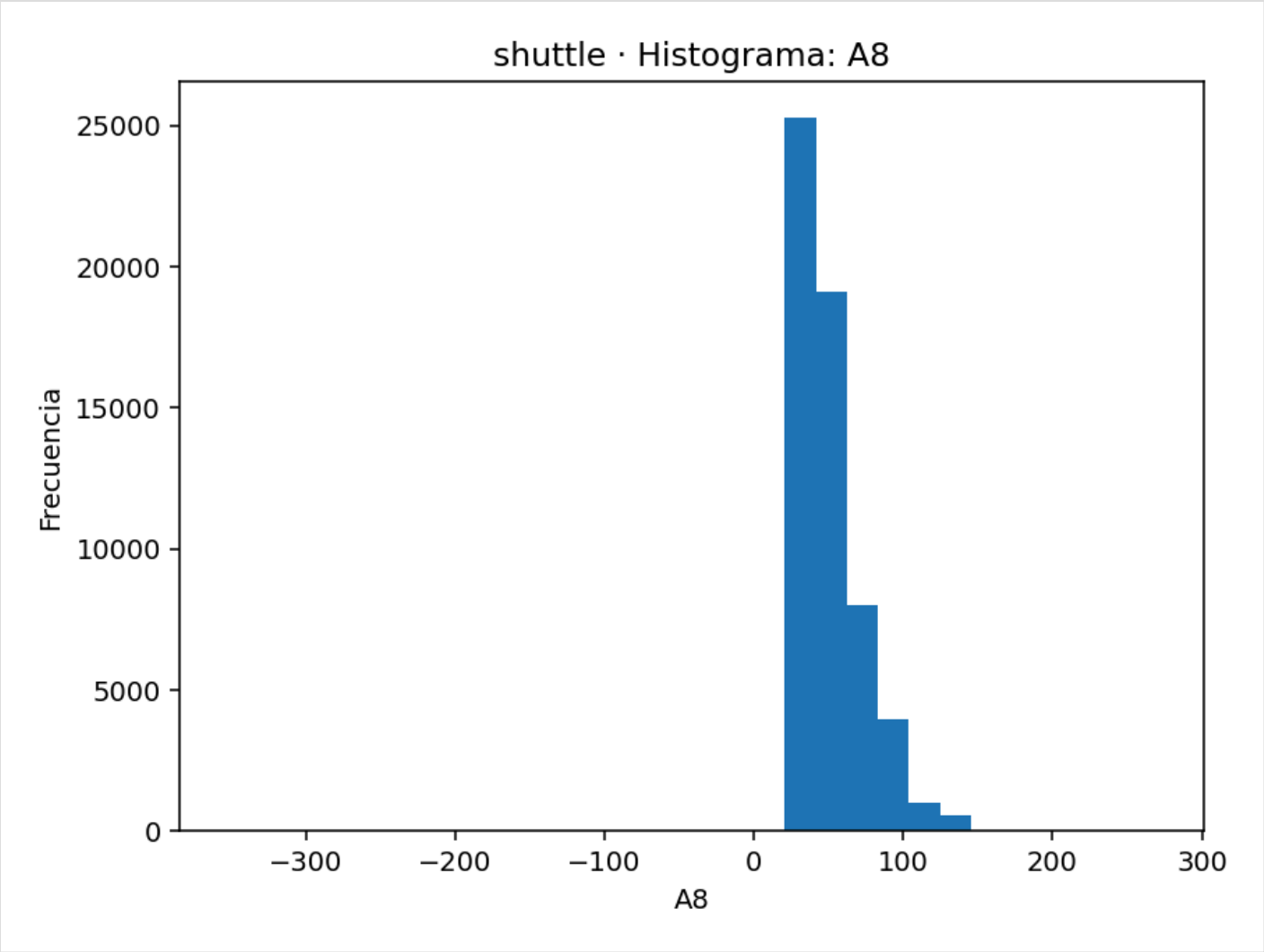
**Boxplot: A7**

shuttle · Boxplot: A7

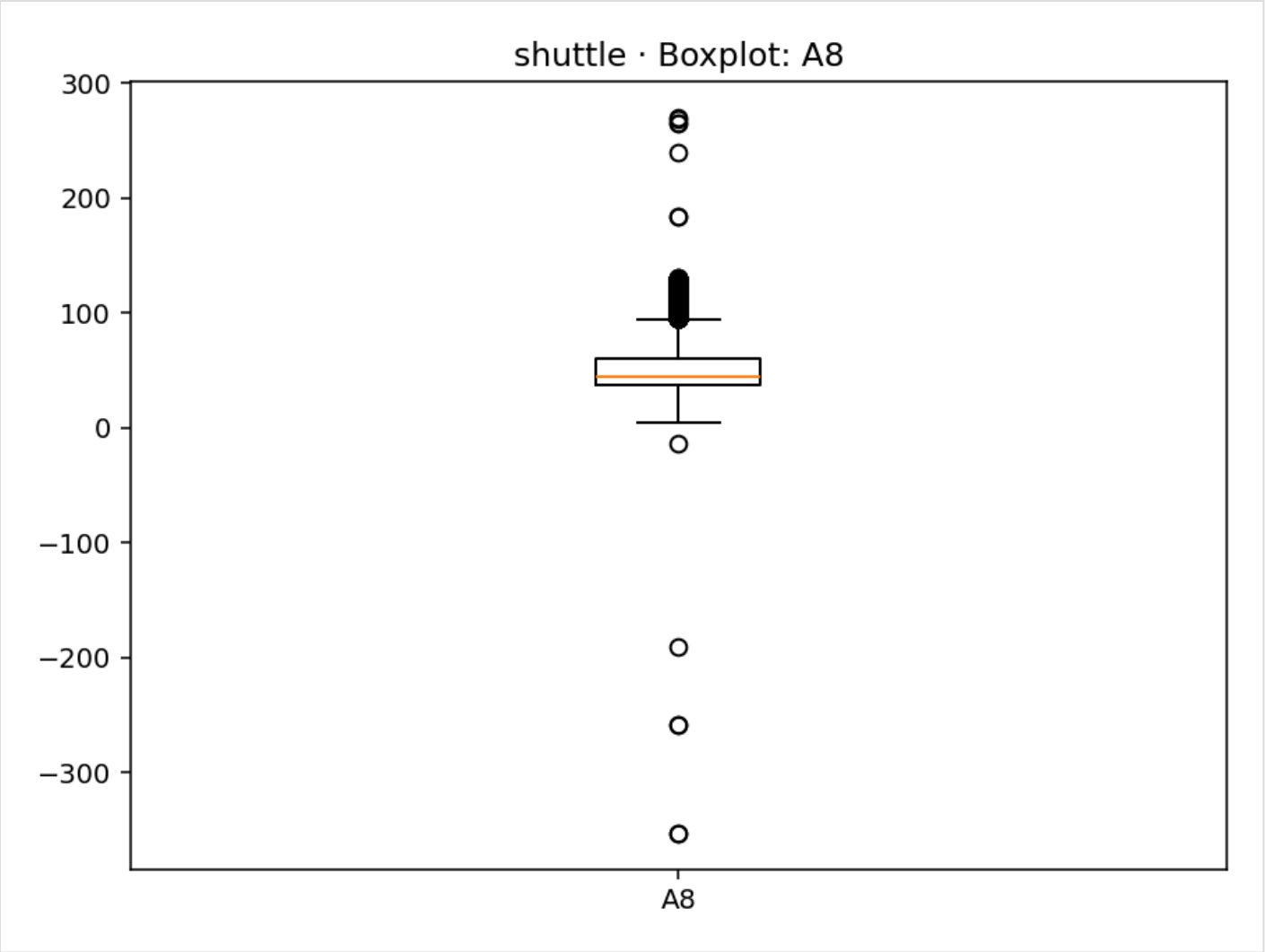


Histograma: A8

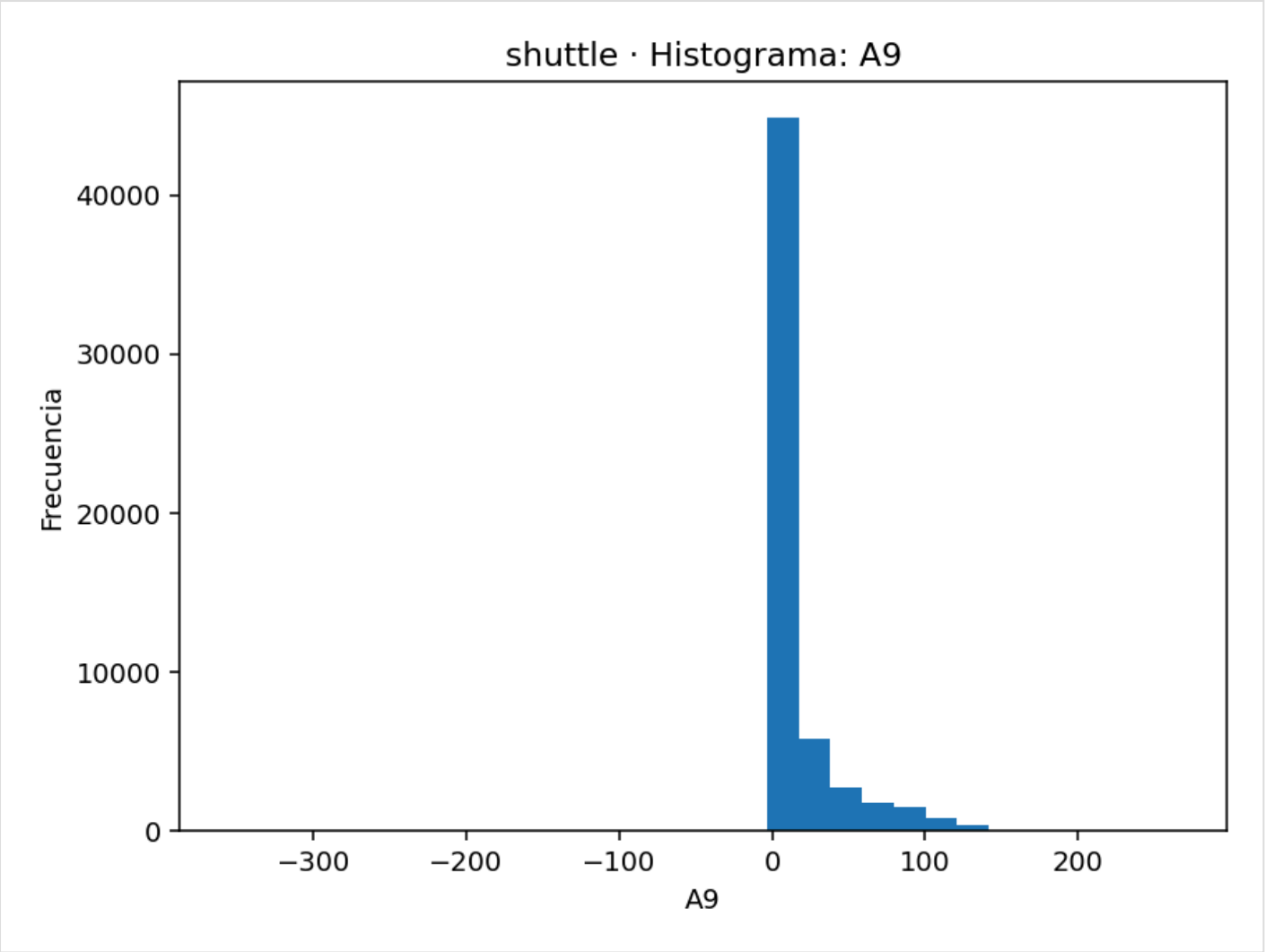




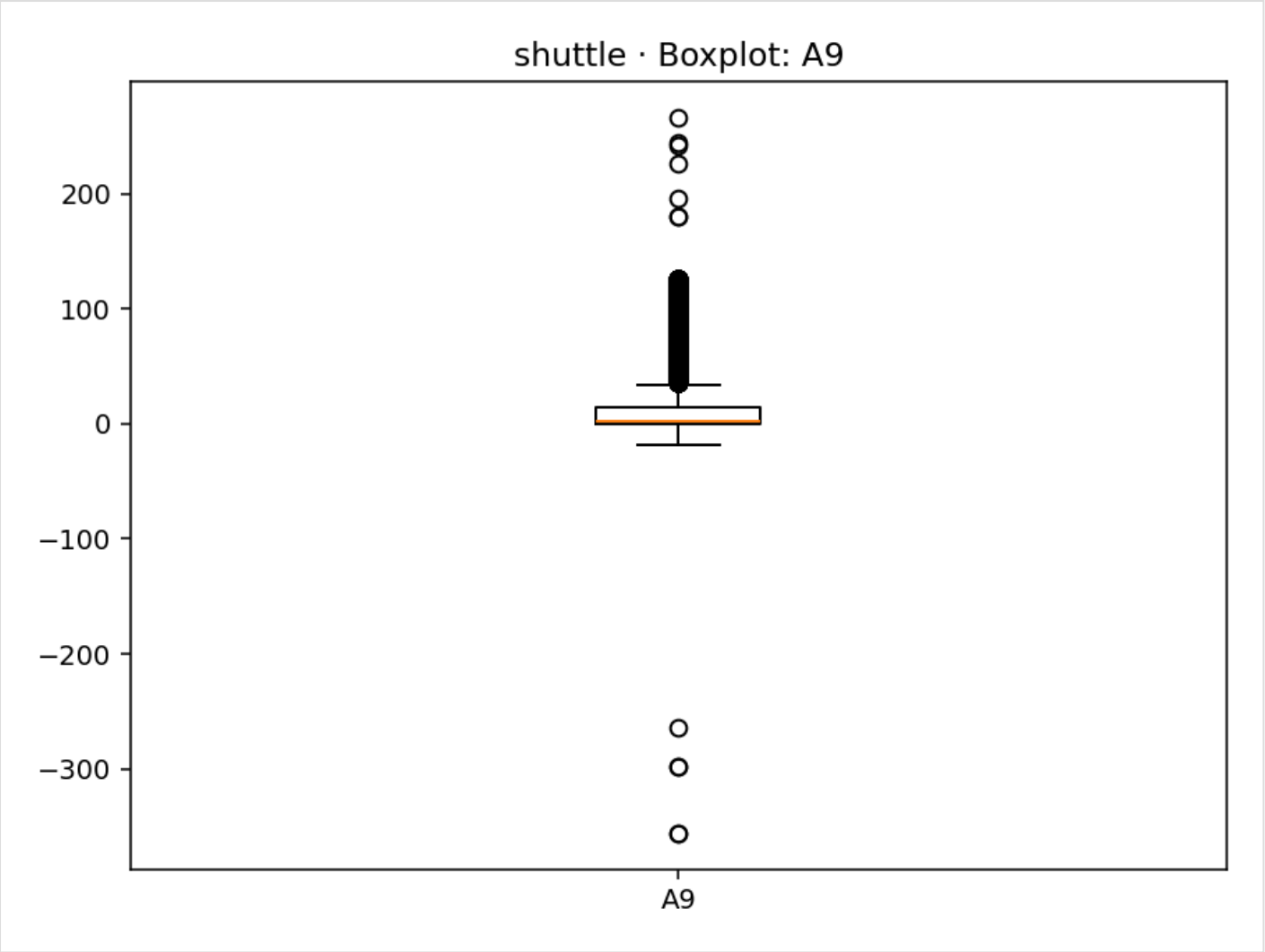
**Boxplot: A8**



Histograma: A9



**Boxplot: A9**



**Matriz de correlaciones**

shuttle · Matriz de correlaciones (Pearson)

