

# 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

<b>correlacion_absoluta_maxima</b>	0.9147312697866925
<b>porcentaje_pares_correlacion_mayor_0_9</b>	2.7777777777777777
<b>rango_mediano_variables</b>	623.0
<b>rango_maximo_variables</b>	41903.0
<b>sugerencia_escalado</b>	RobustScaler

## PCA — Varianza explicada

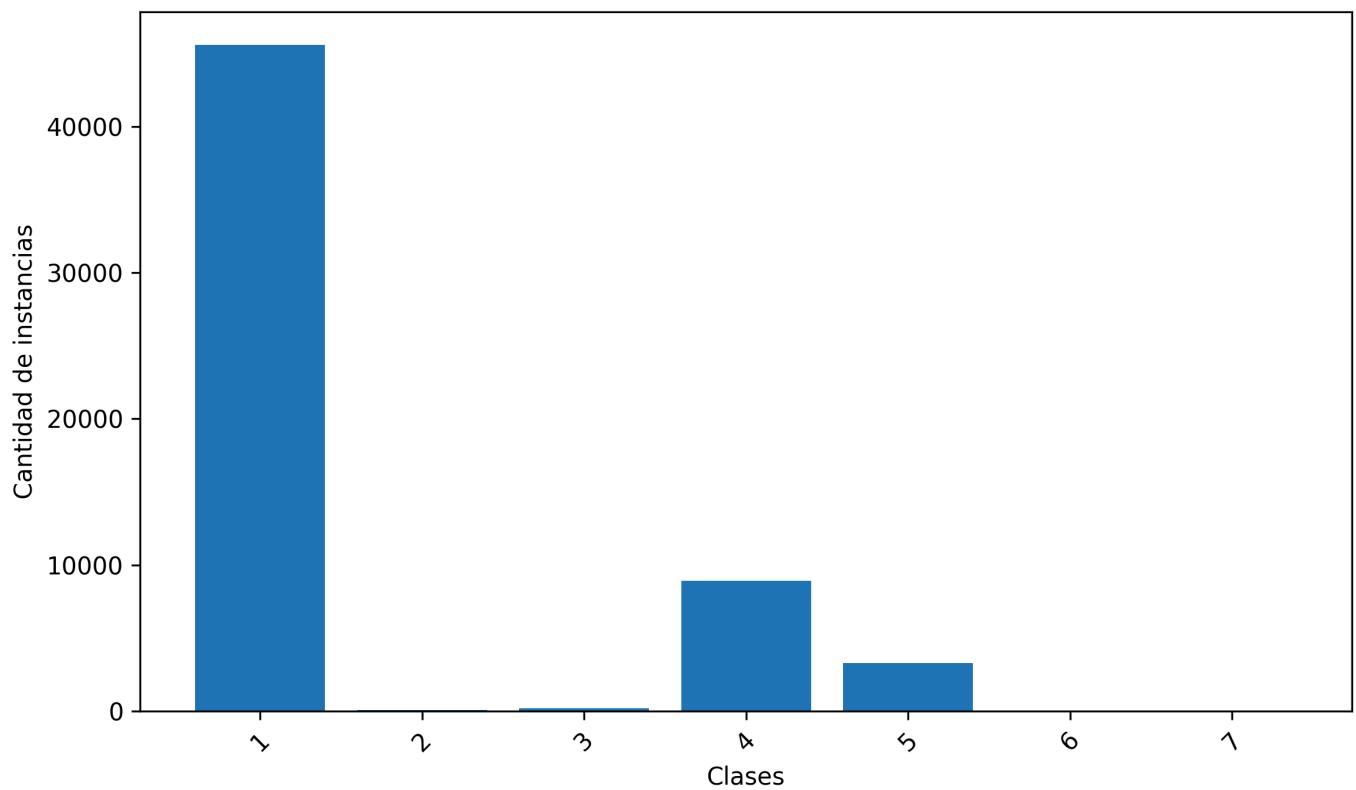
PC1: **0.835** · PC1+PC2: **0.942** · PC1+PC2+PC3: **0.968**

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

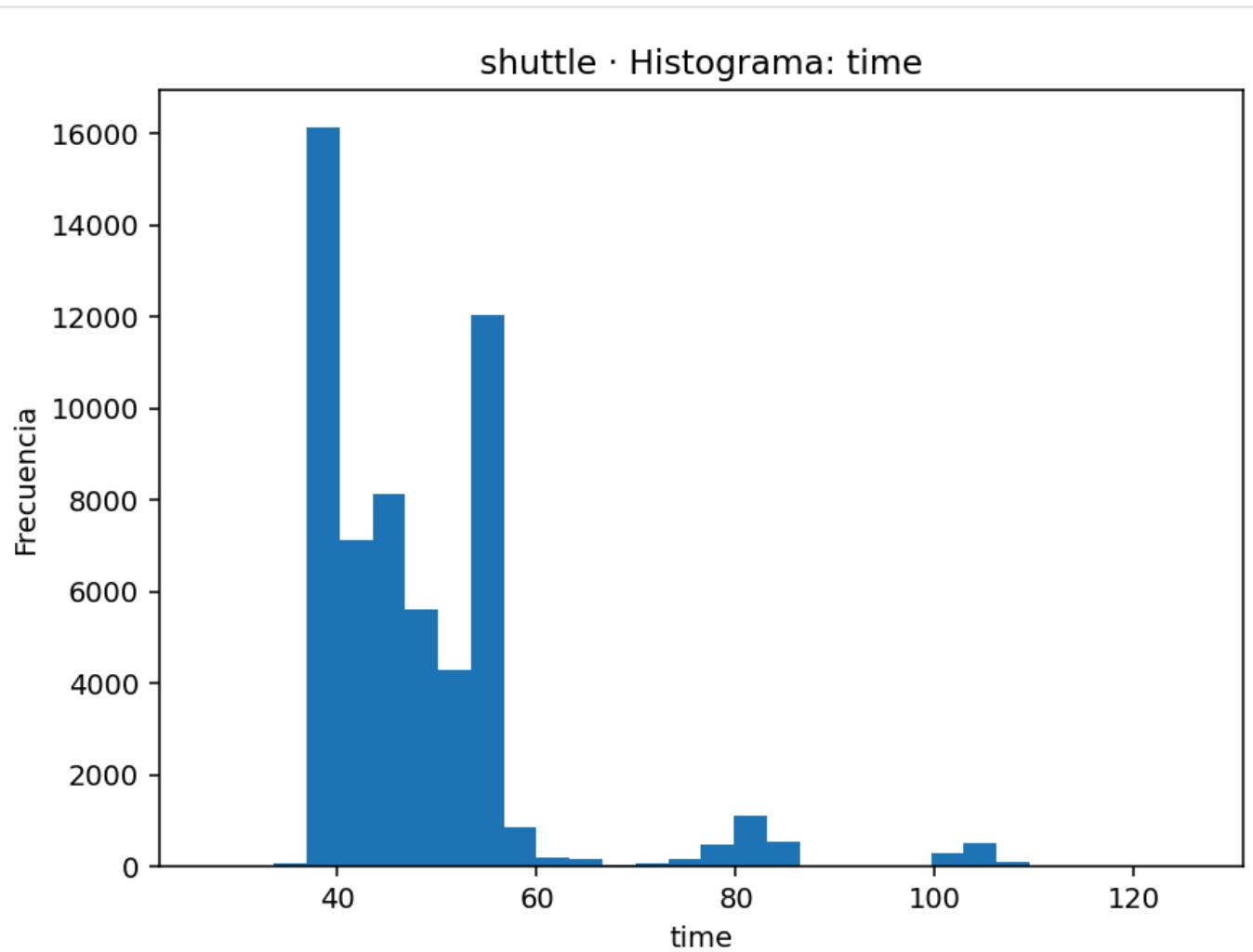
## Figuras

### Distribución de clases

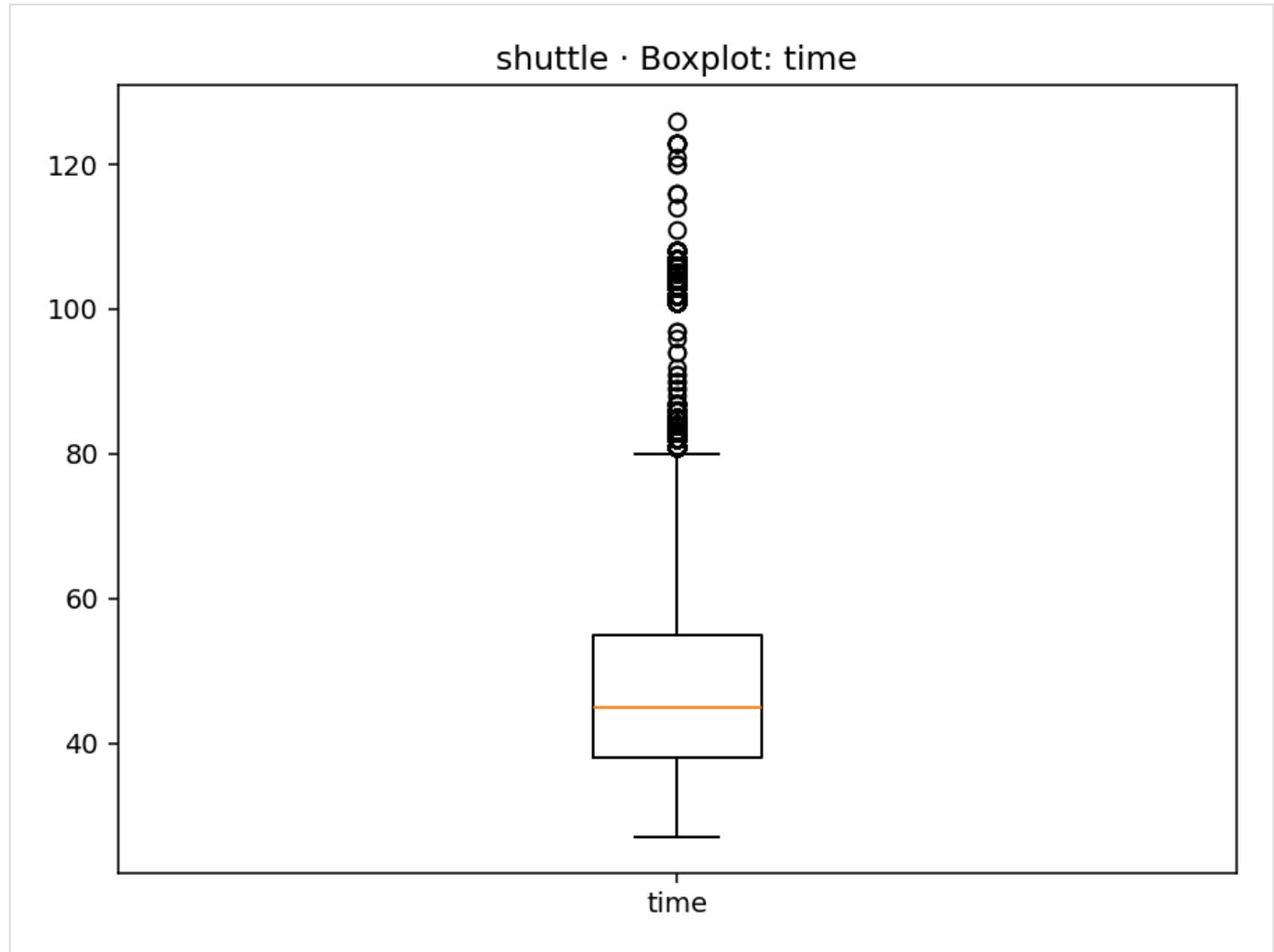
Distribución de clases - shuttle



**Histograma: time**

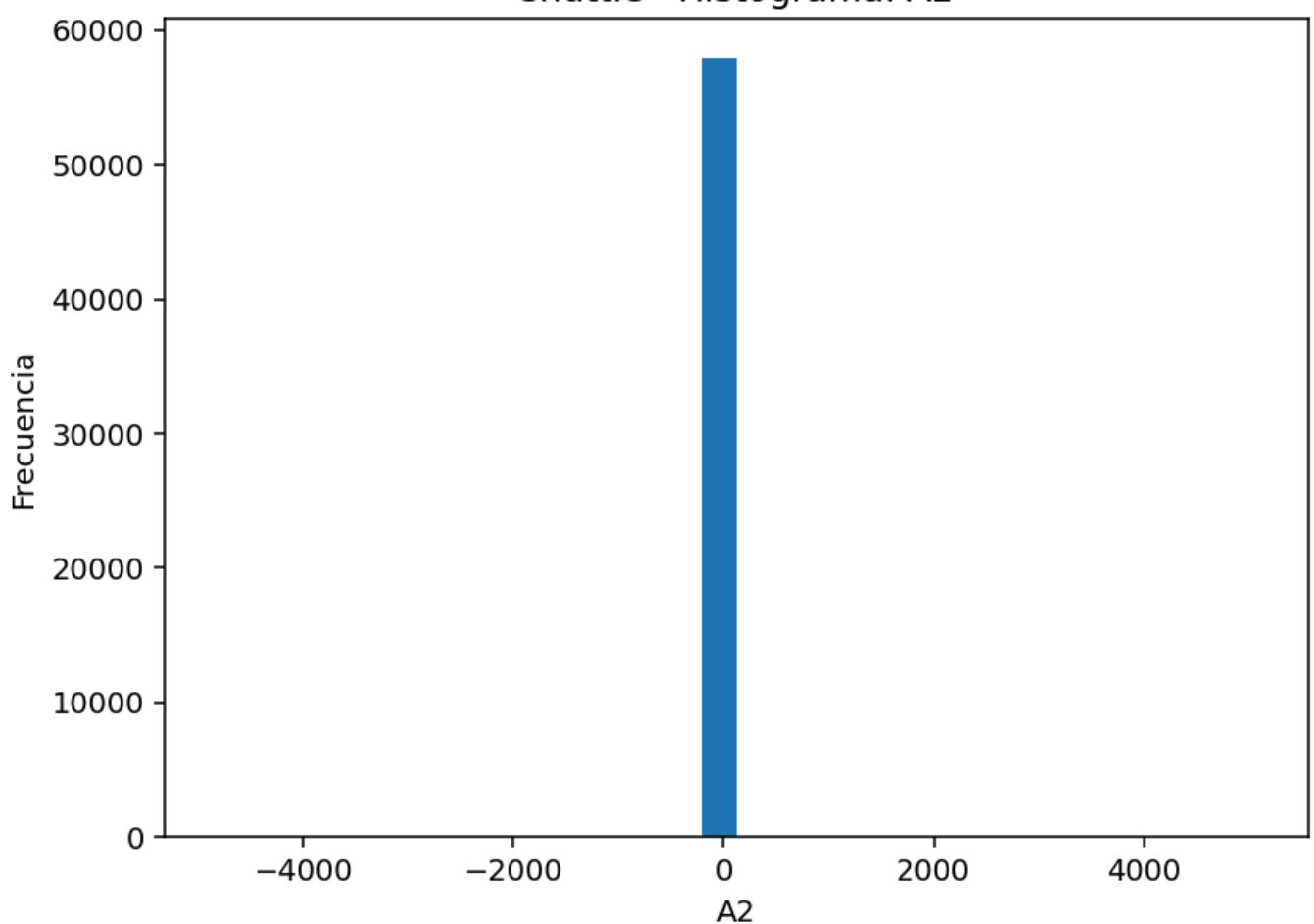


## **Boxplot: time**



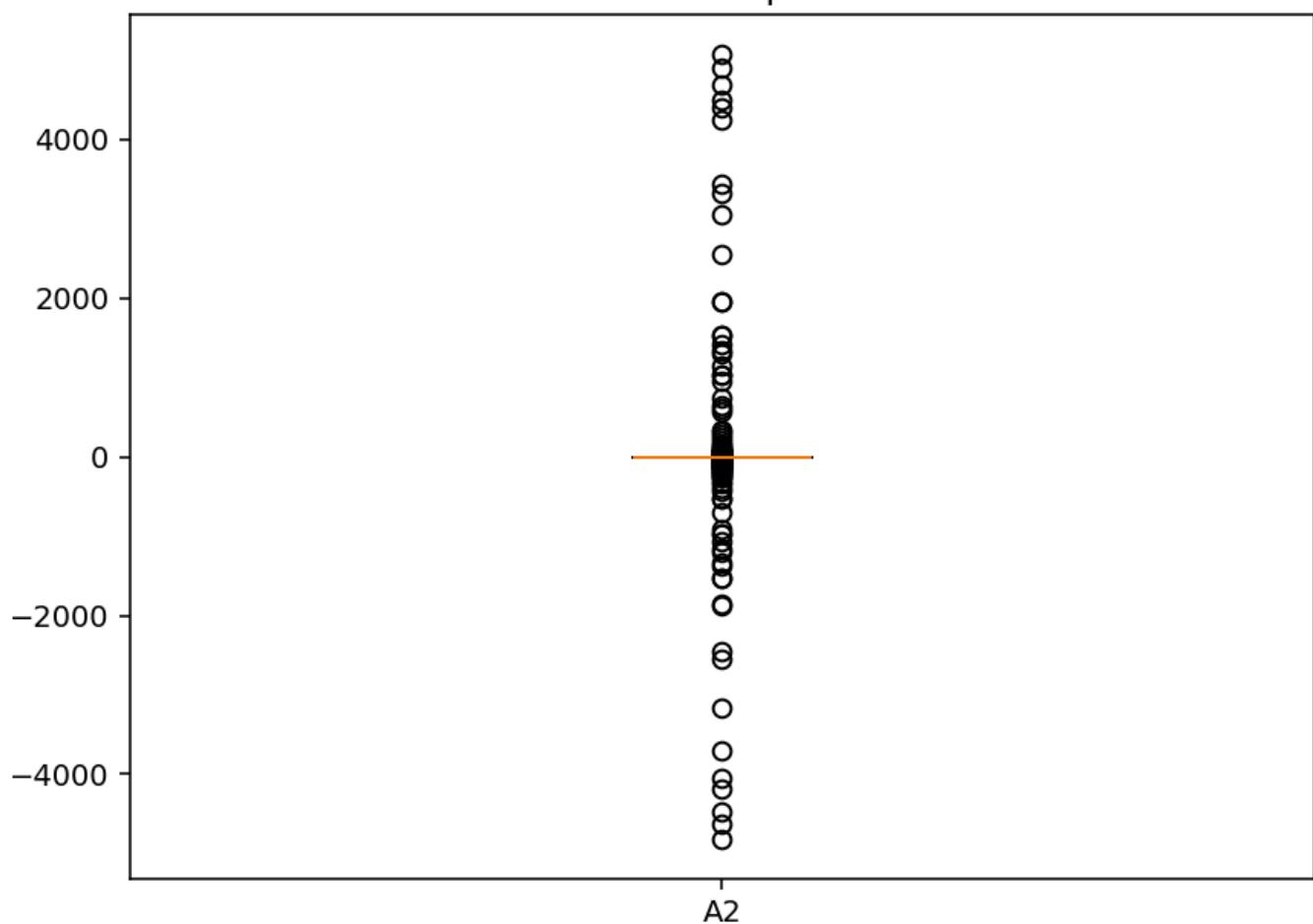
## **Histograma: A2**

shuttle · Histograma: A2



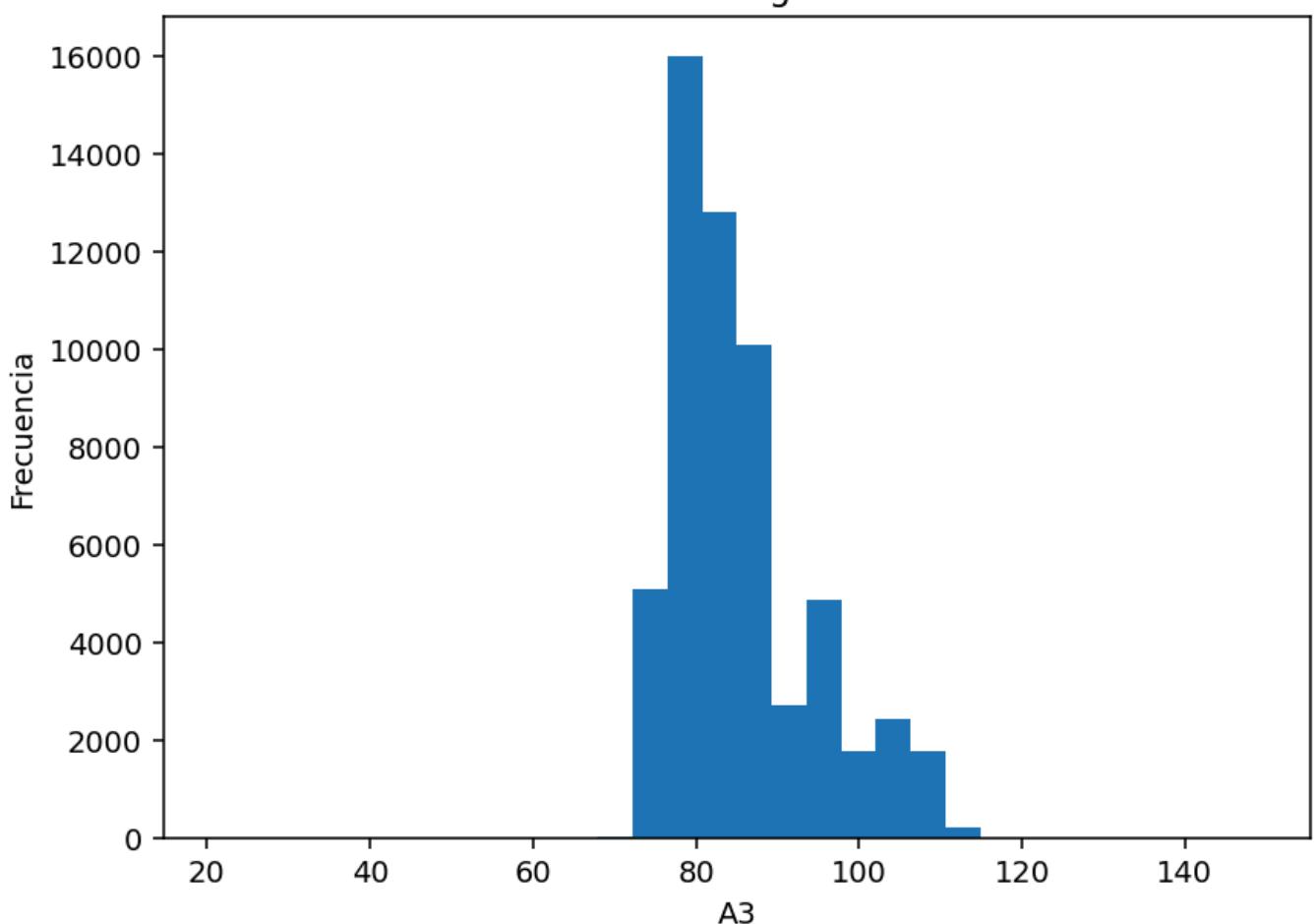
**Boxplot: A2**

shuttle · Boxplot: A2



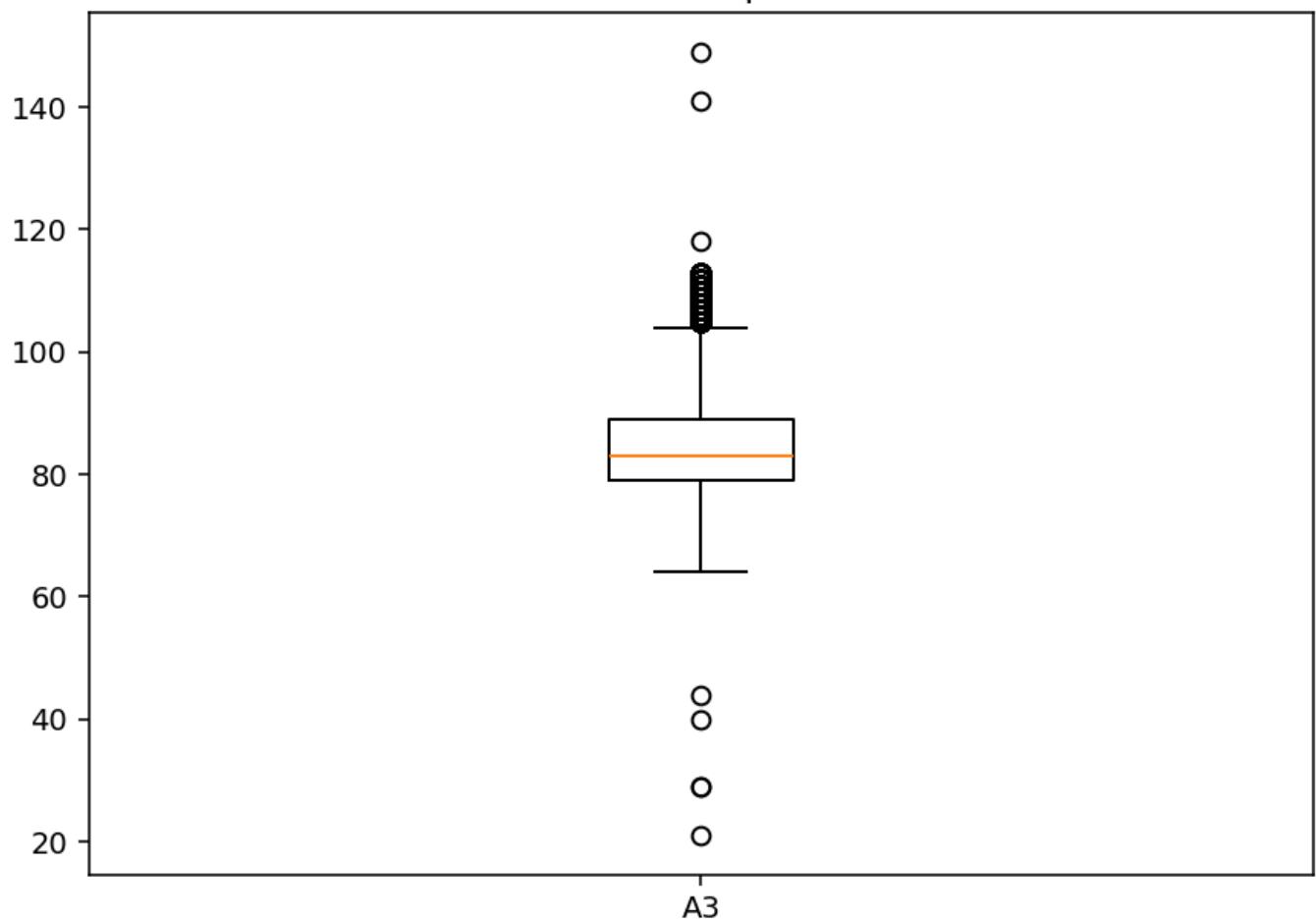
**Histograma: A3**

shuttle · Histograma: A3



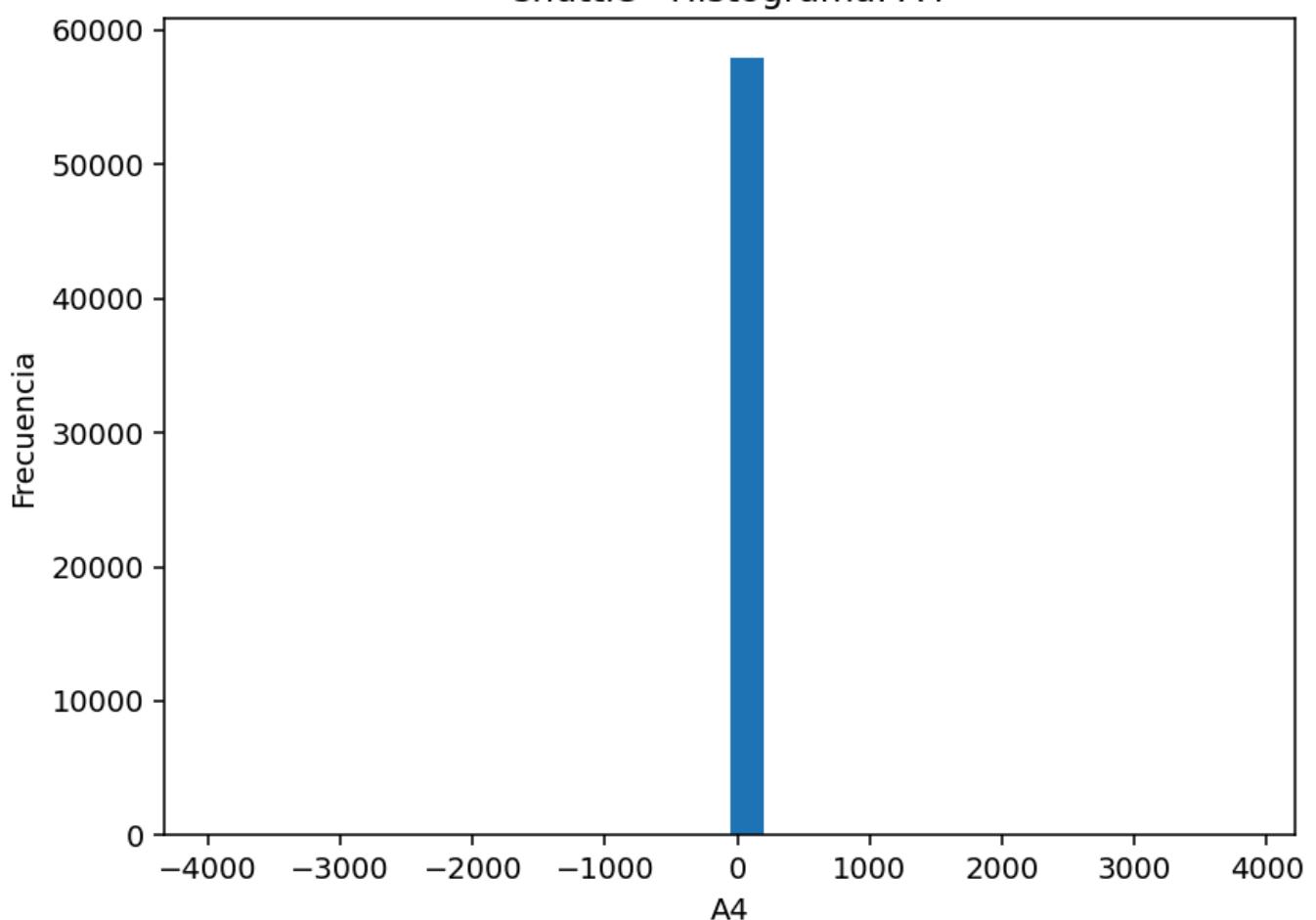
Boxplot: A3

shuttle · Boxplot: A3



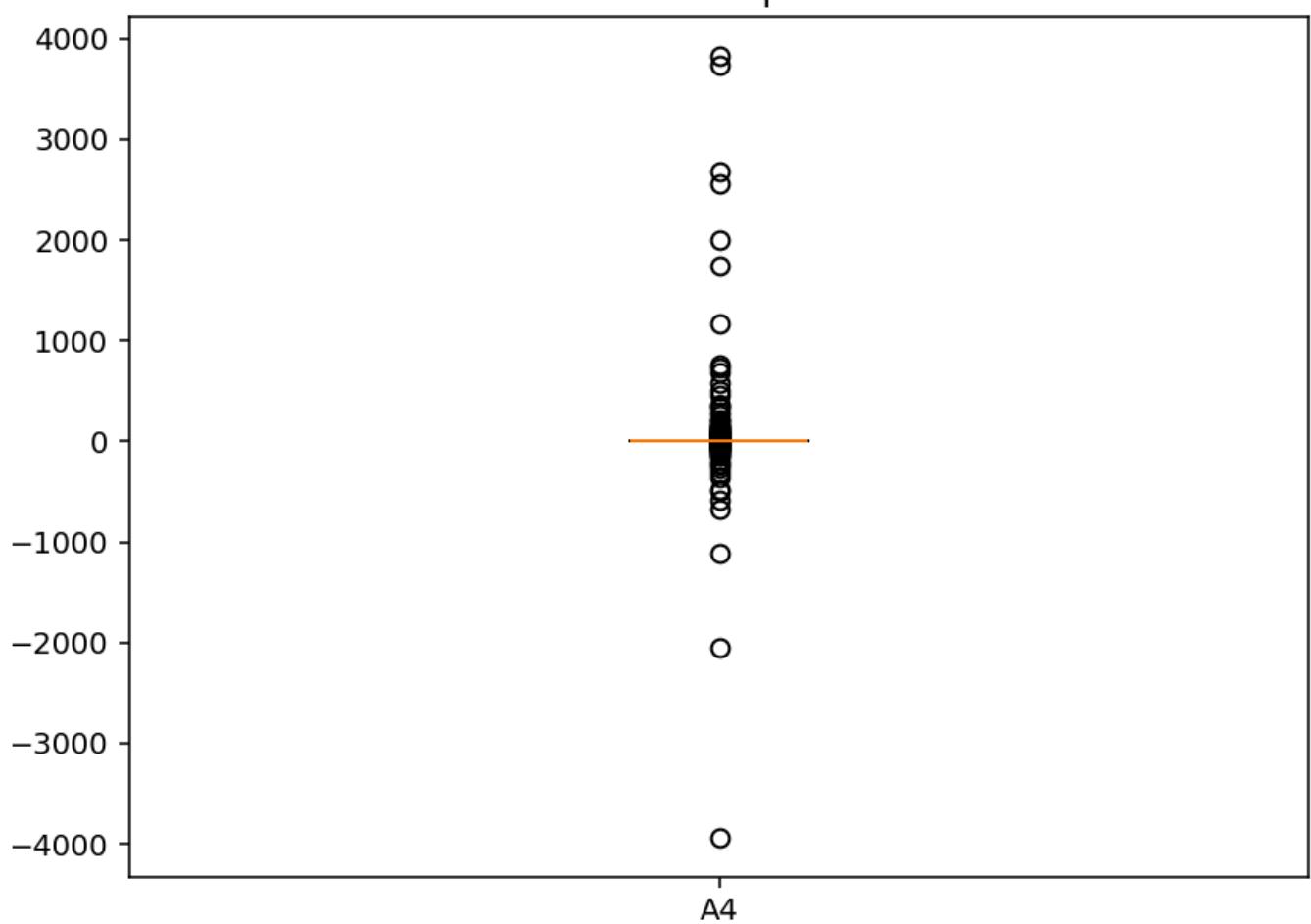
**Histograma: A4**

shuttle · Histograma: A4



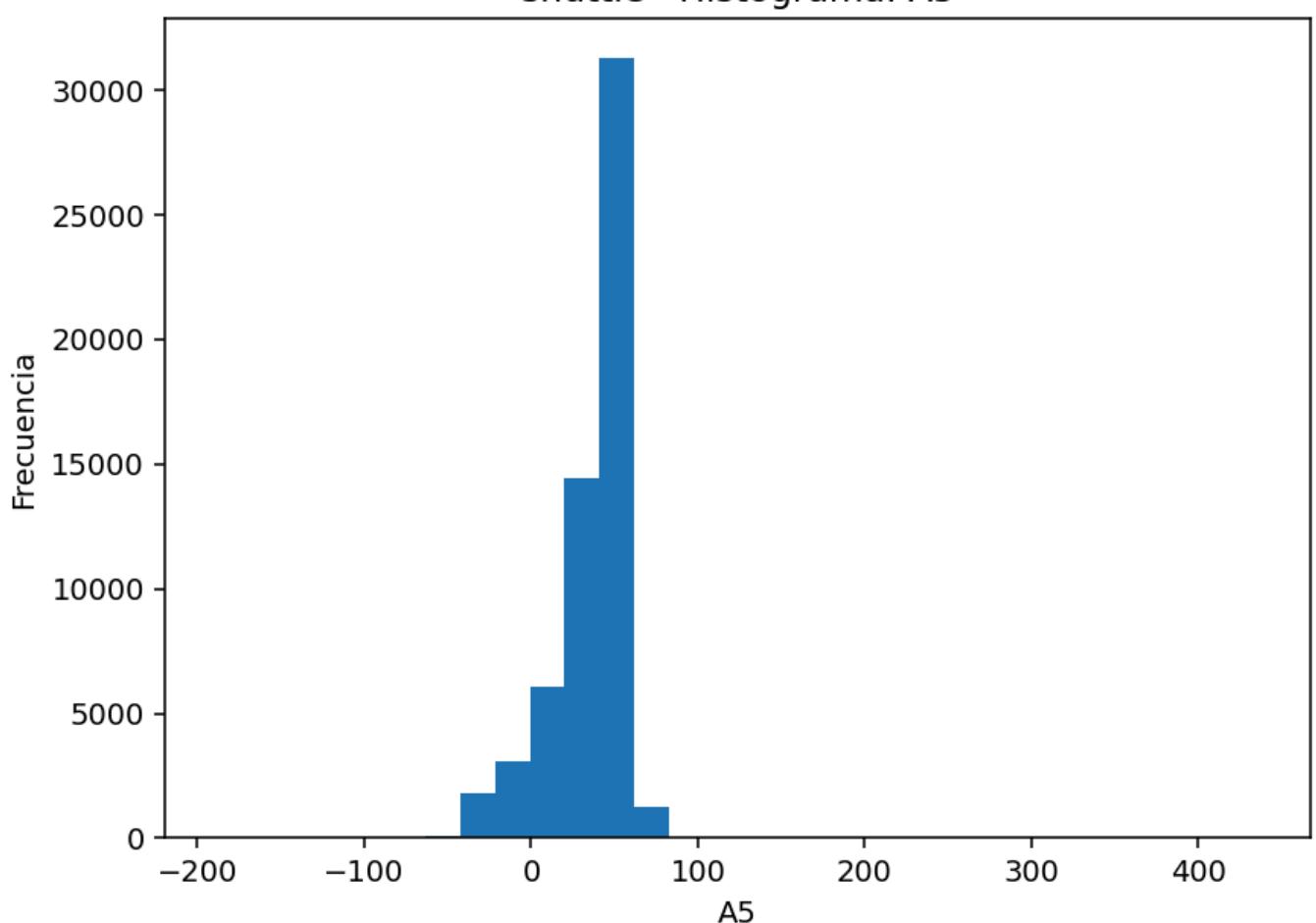
Boxplot: A4

shuttle · Boxplot: A4



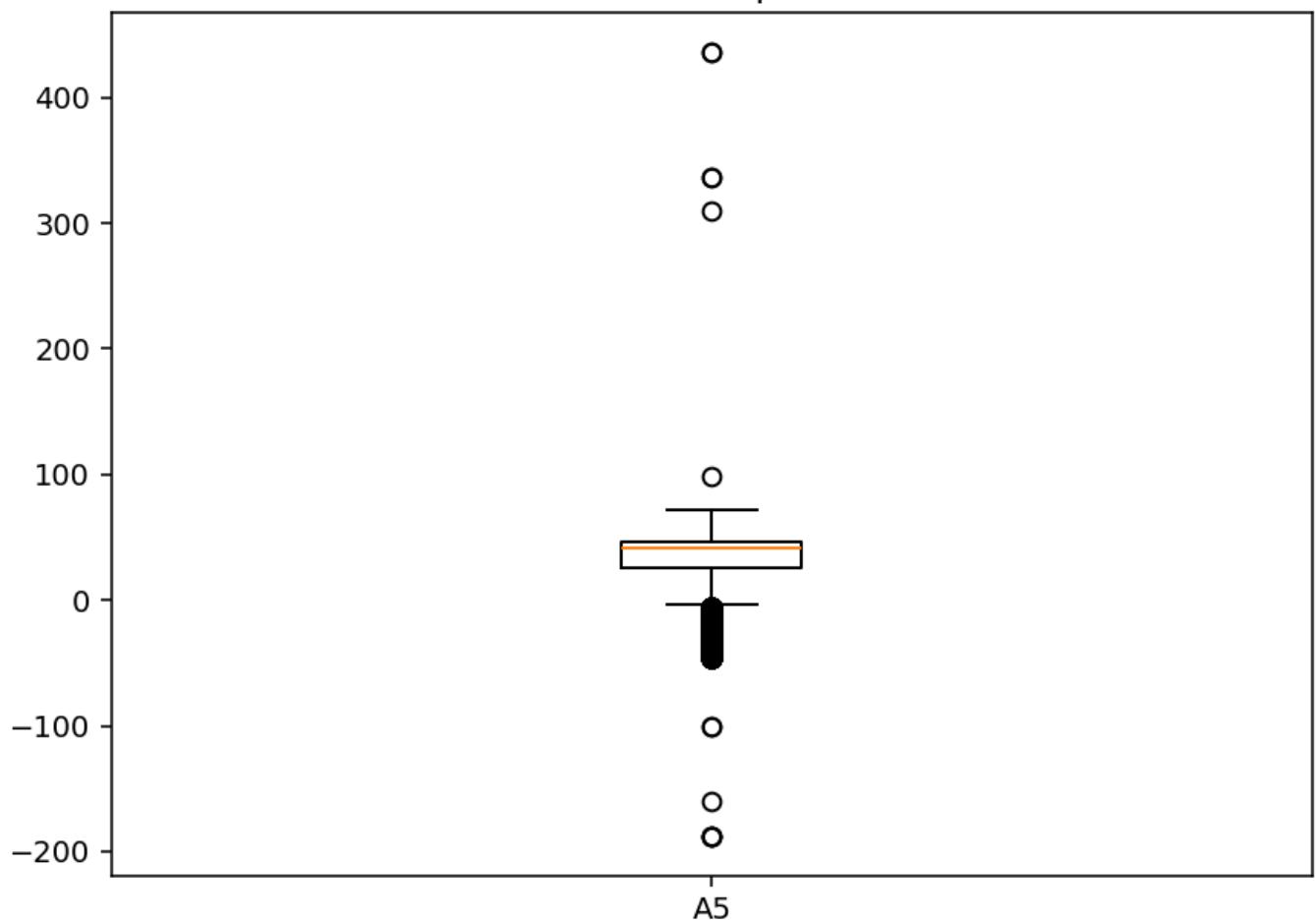
**Histograma: A5**

shuttle · Histograma: A5



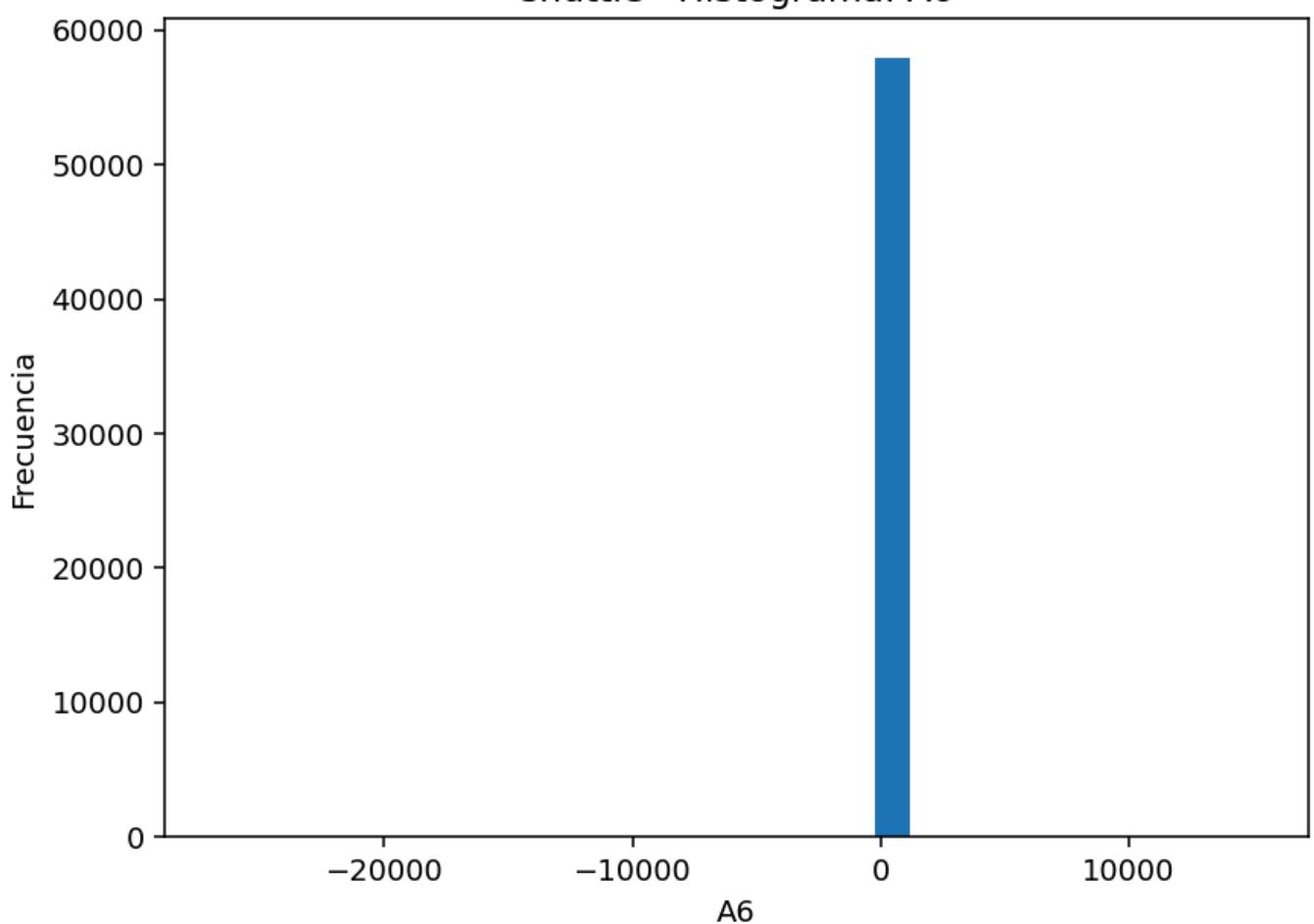
**Boxplot: A5**

shuttle · Boxplot: A5



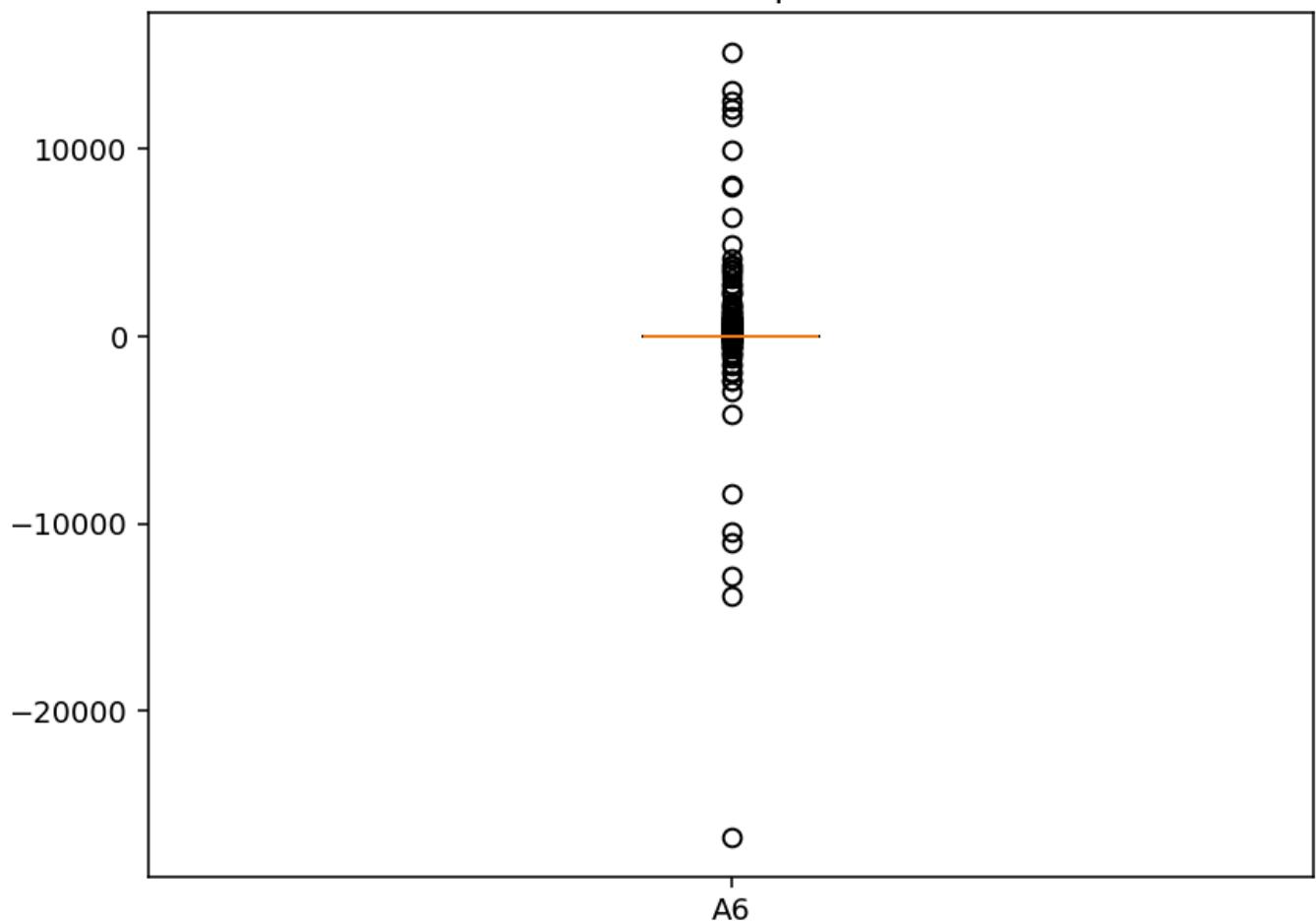
**Histograma: A6**

shuttle · Histograma: A6



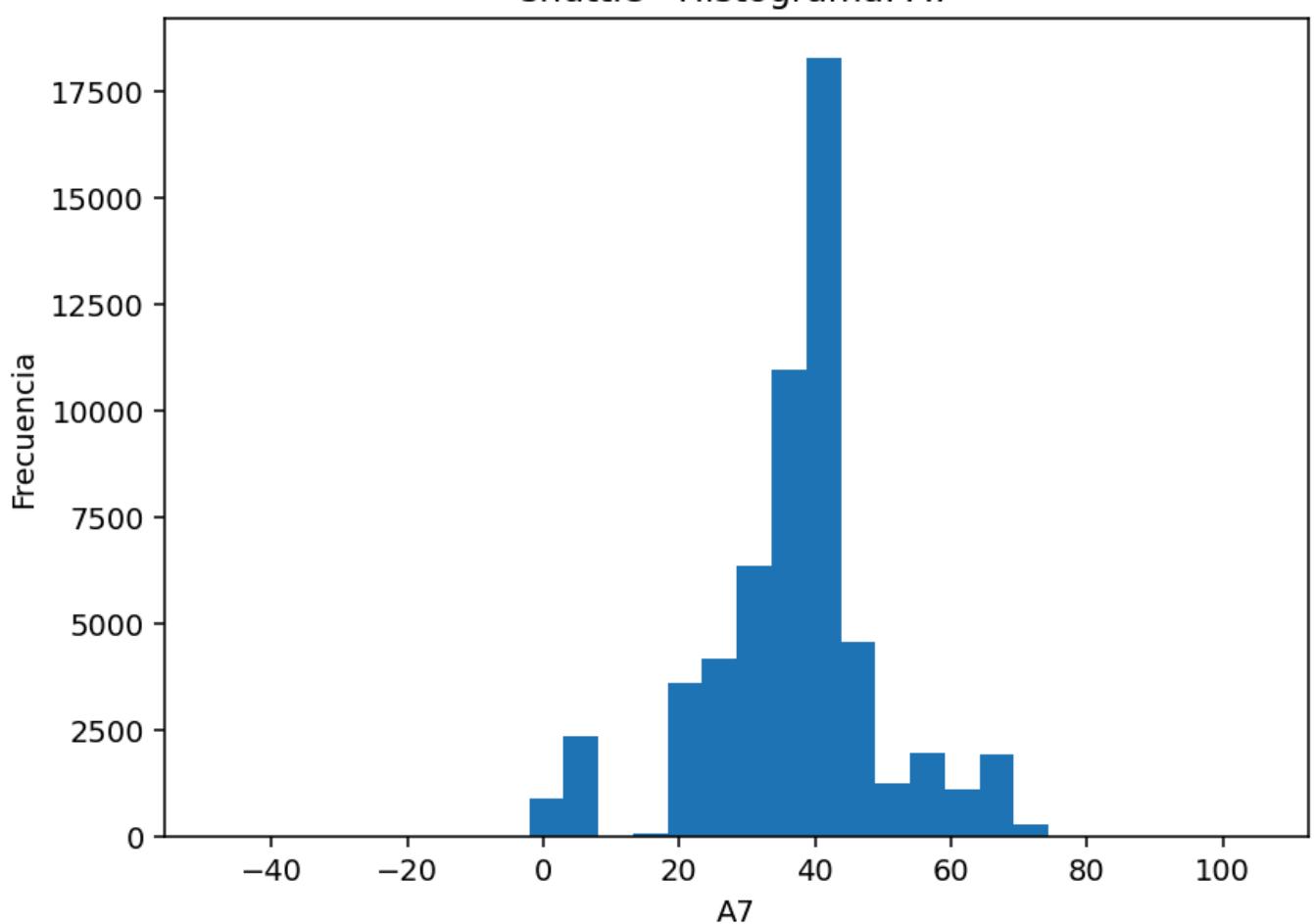
**Boxplot: A6**

shuttle · Boxplot: A6



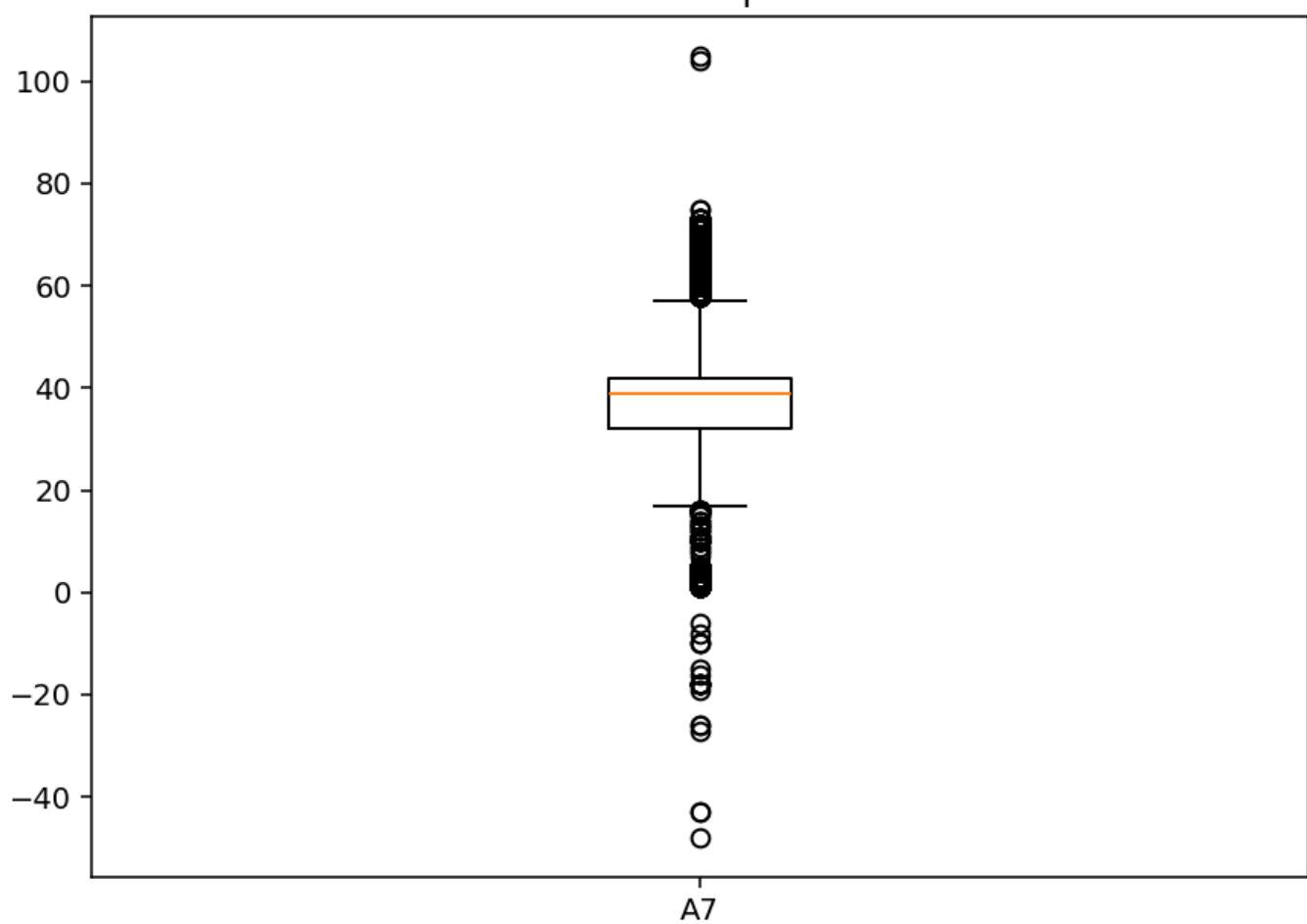
Histograma: A7

shuttle · Histograma: A7



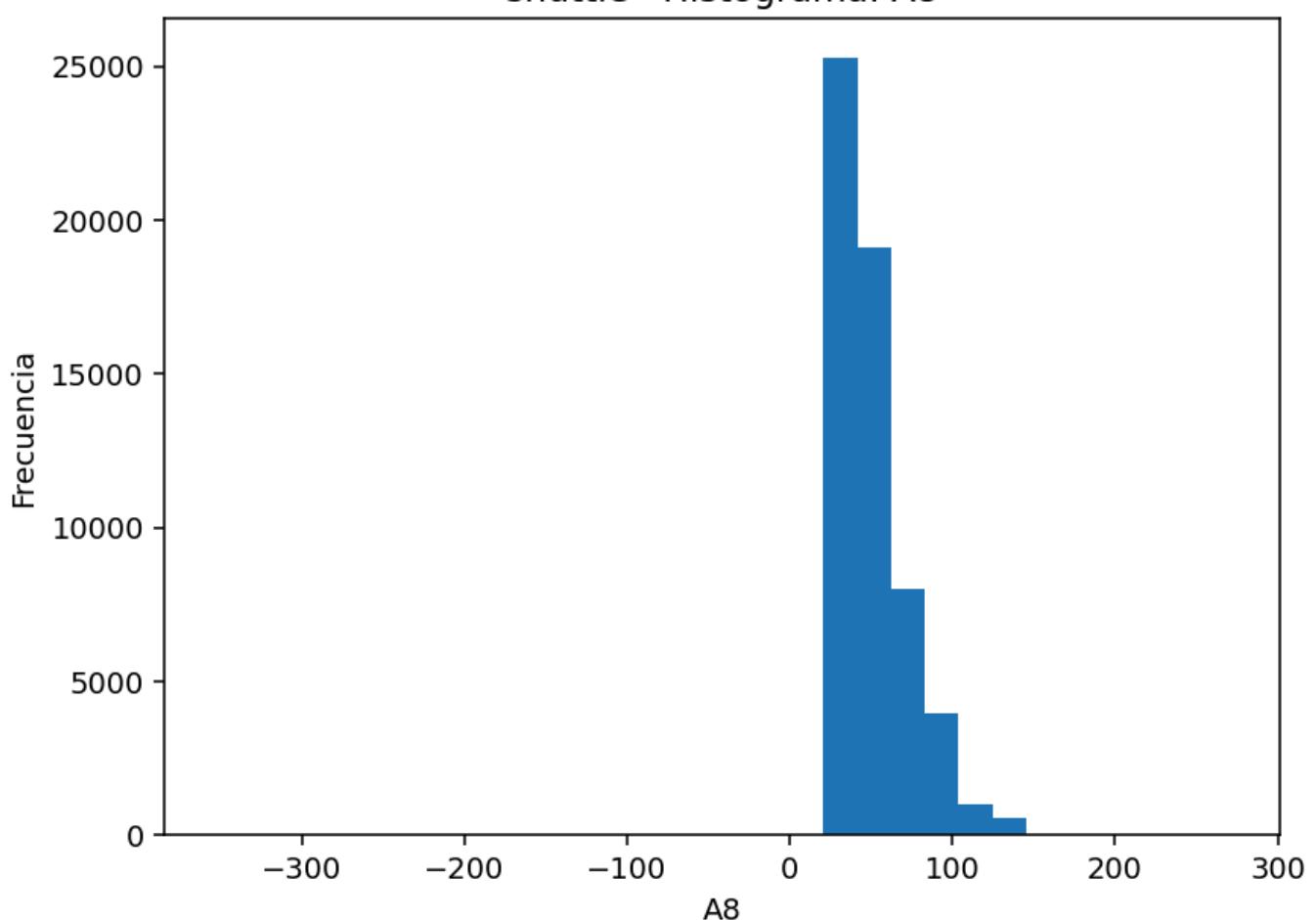
Boxplot: A7

shuttle · Boxplot: A7



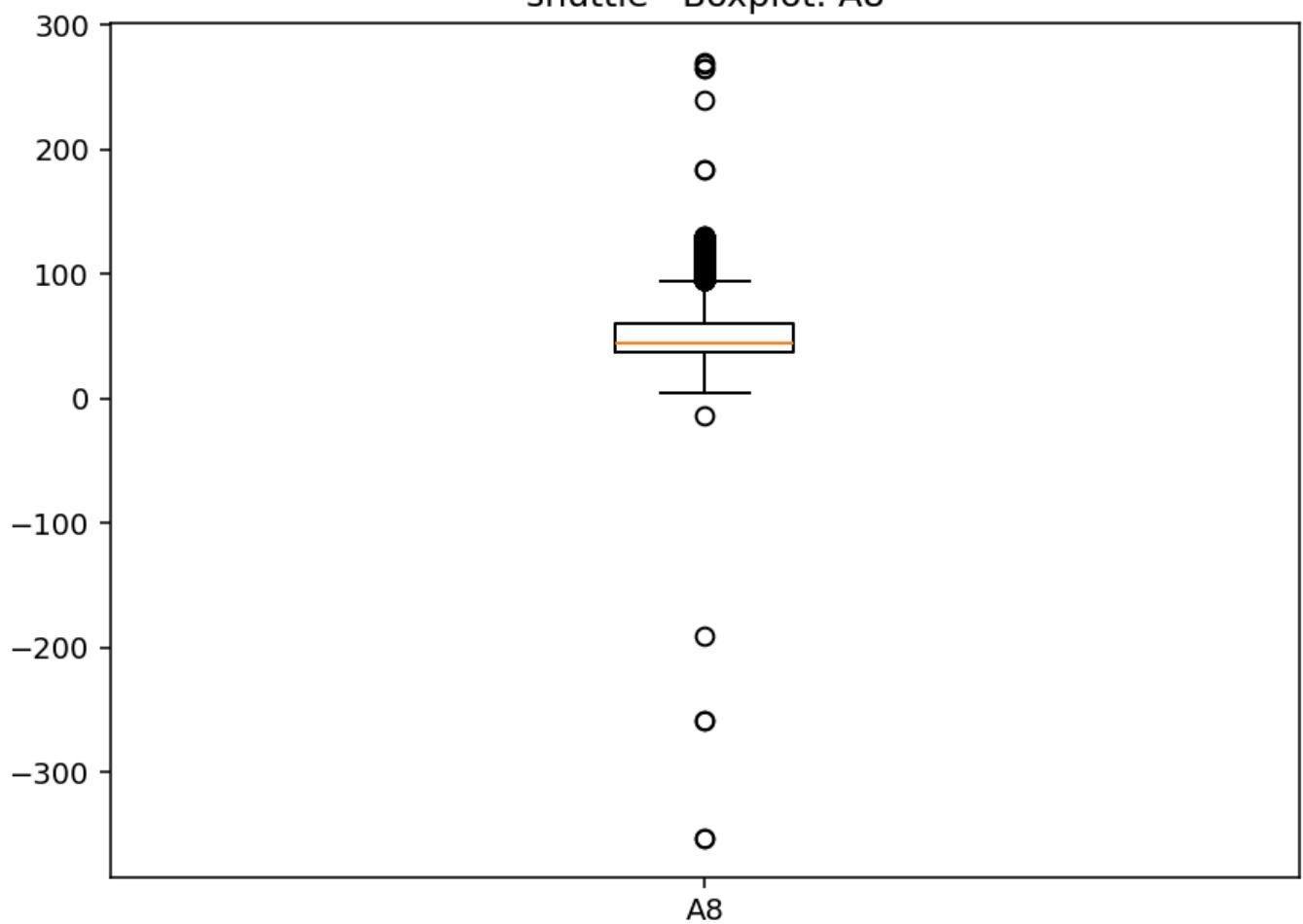
Histograma: A8

shuttle · Histograma: A8



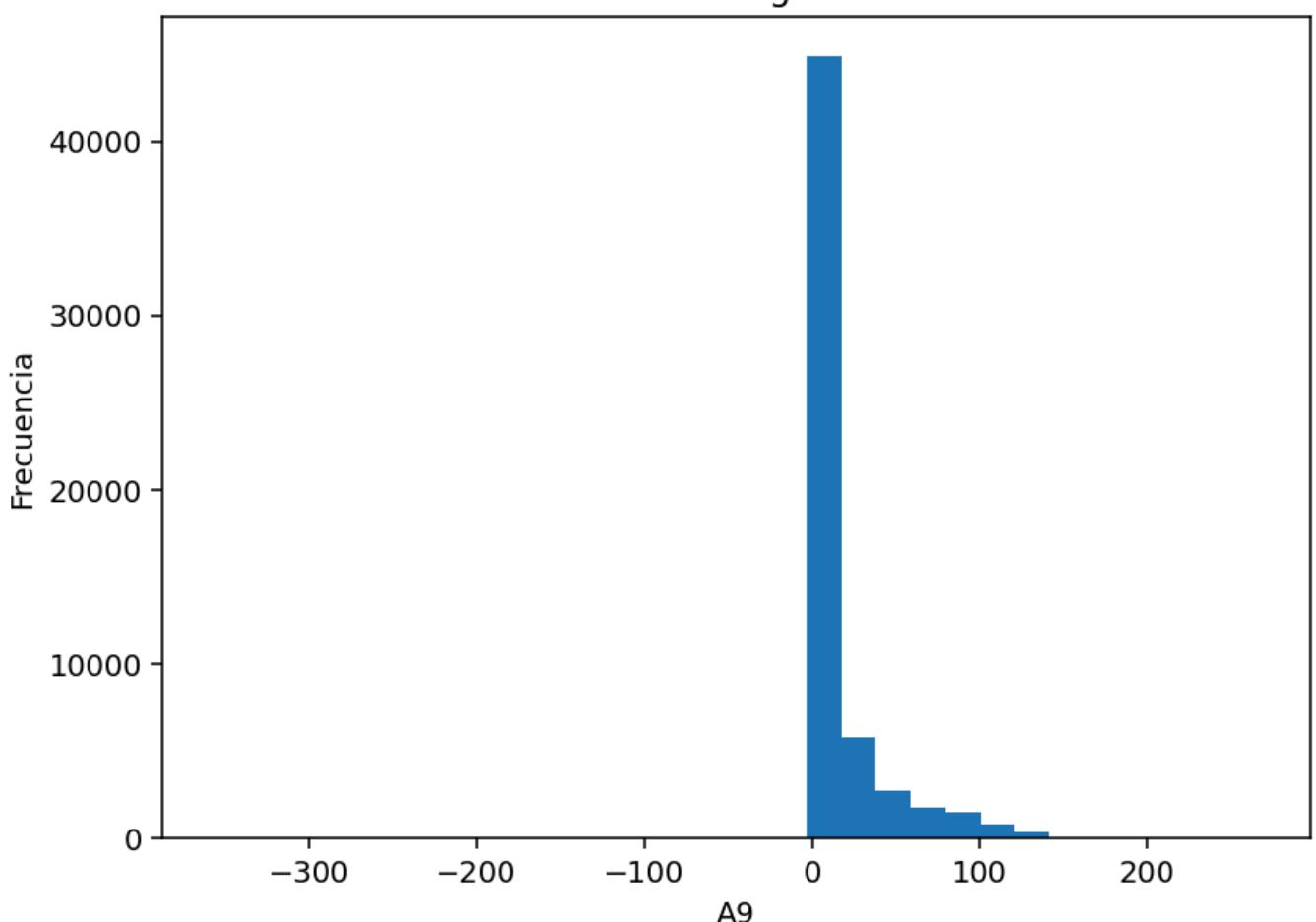
Boxplot: A8

shuttle · Boxplot: A8



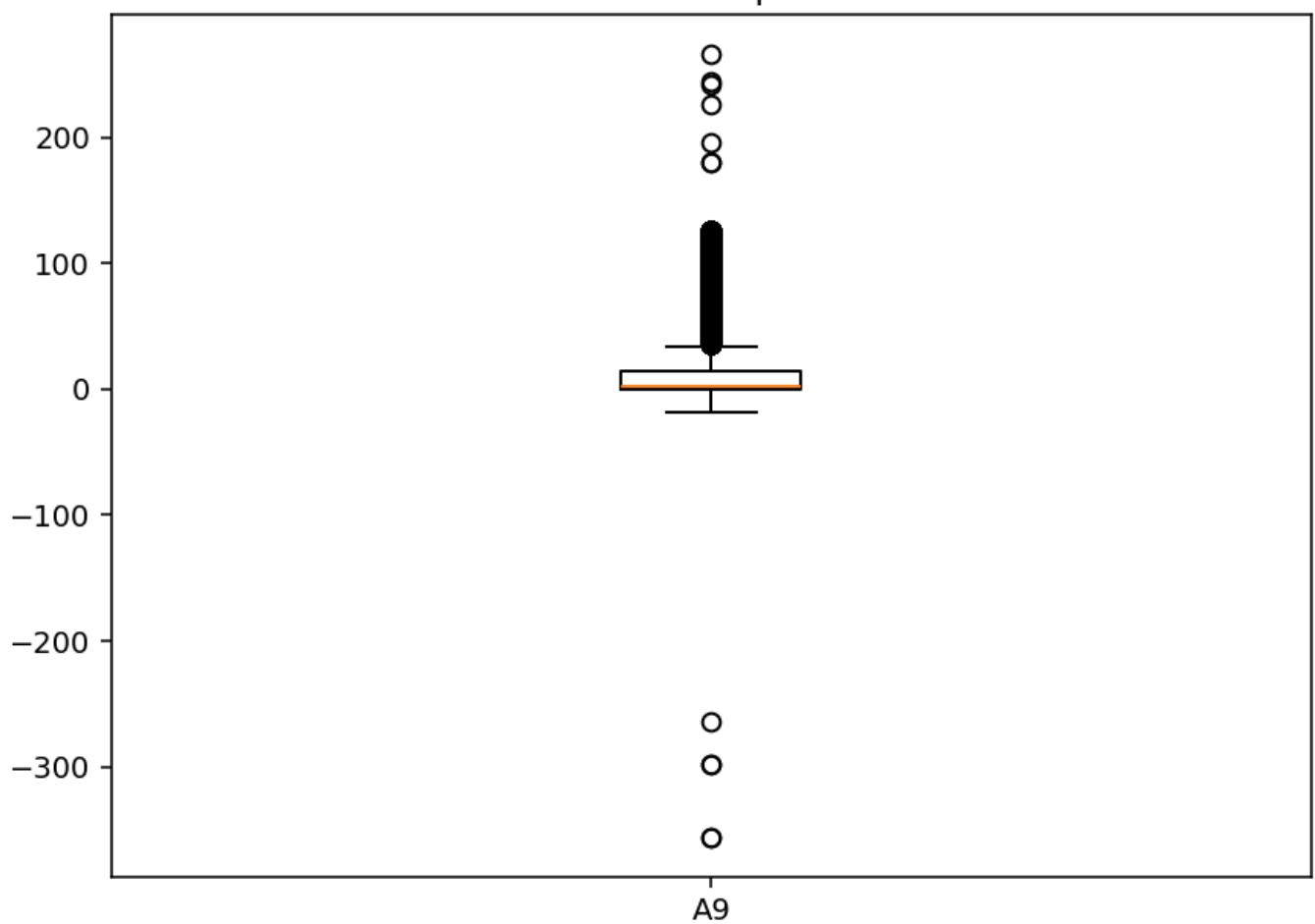
**Histograma: A9**

shuttle · Histograma: A9



Boxplot: A9

shuttle · Boxplot: A9



## Matriz de correlaciones

## shuttle · Matriz de correlaciones (Pearson)

