

Resumen de Auditoría Inteligente

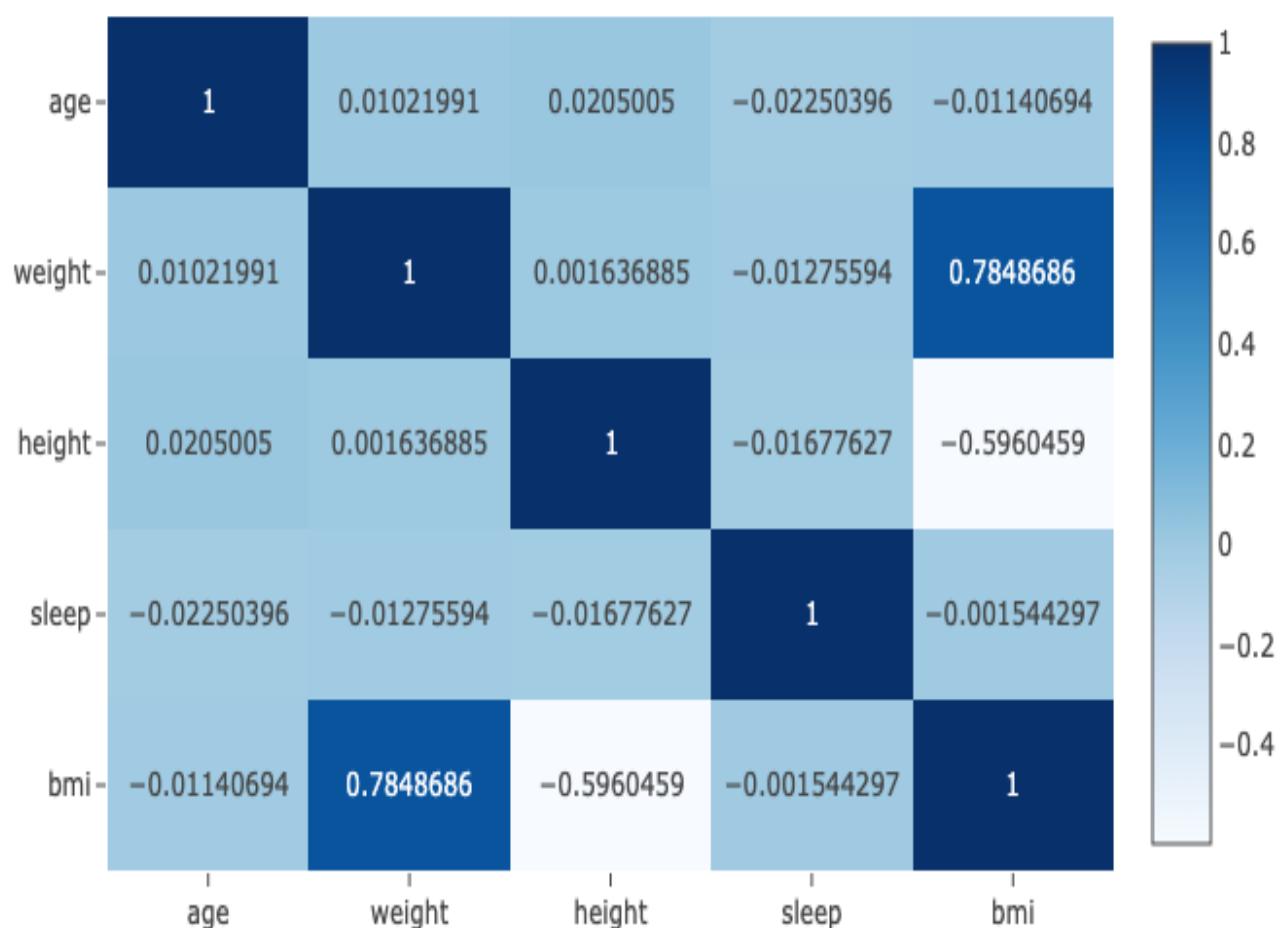
Generado: 2025-11-02 16:22

Hallazgos clave

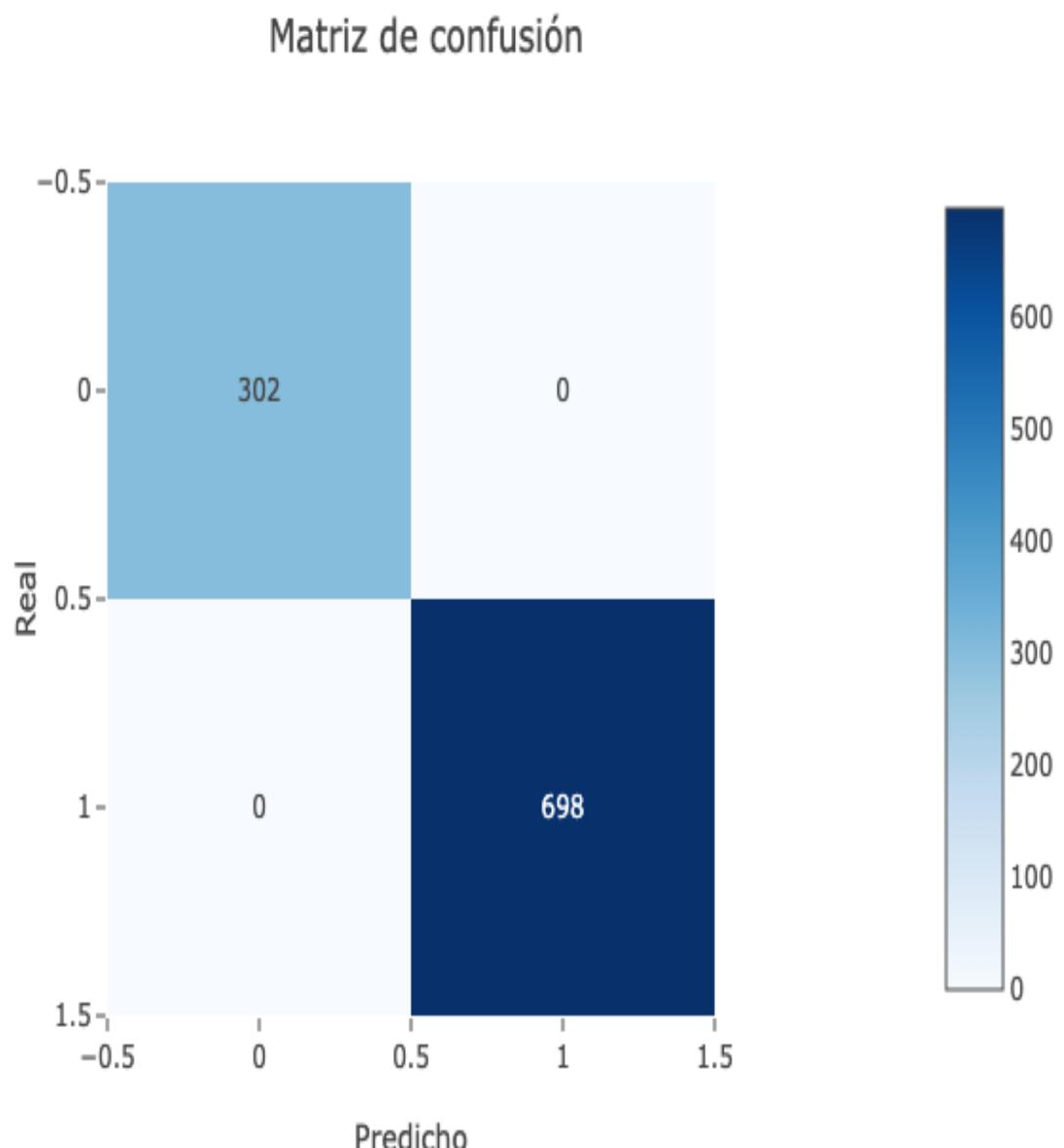
- Se detectaron 5 clusters (KMeans).
- DBSCAN generó 1 grupos (ruido=0).
- Clasificador CatBoost con ROC-AUC=1.000.
- Anomalías detectadas: 150 (IsolationForest).
- Prophet: bmi proyecta tendencia a la baja ($\Delta -2.46$).

Gráficas del análisis

Matriz de correlación

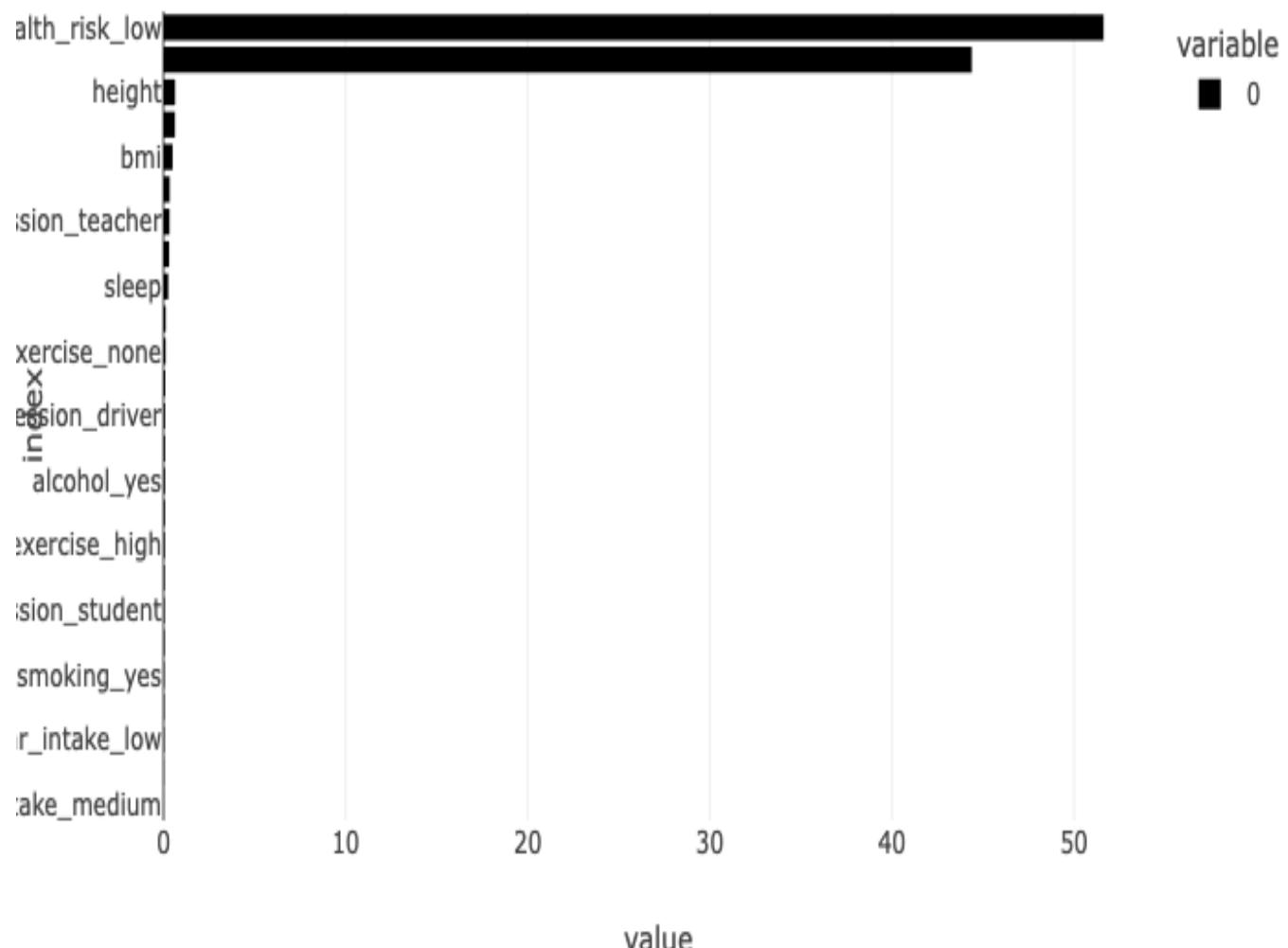


01_correlacion.png



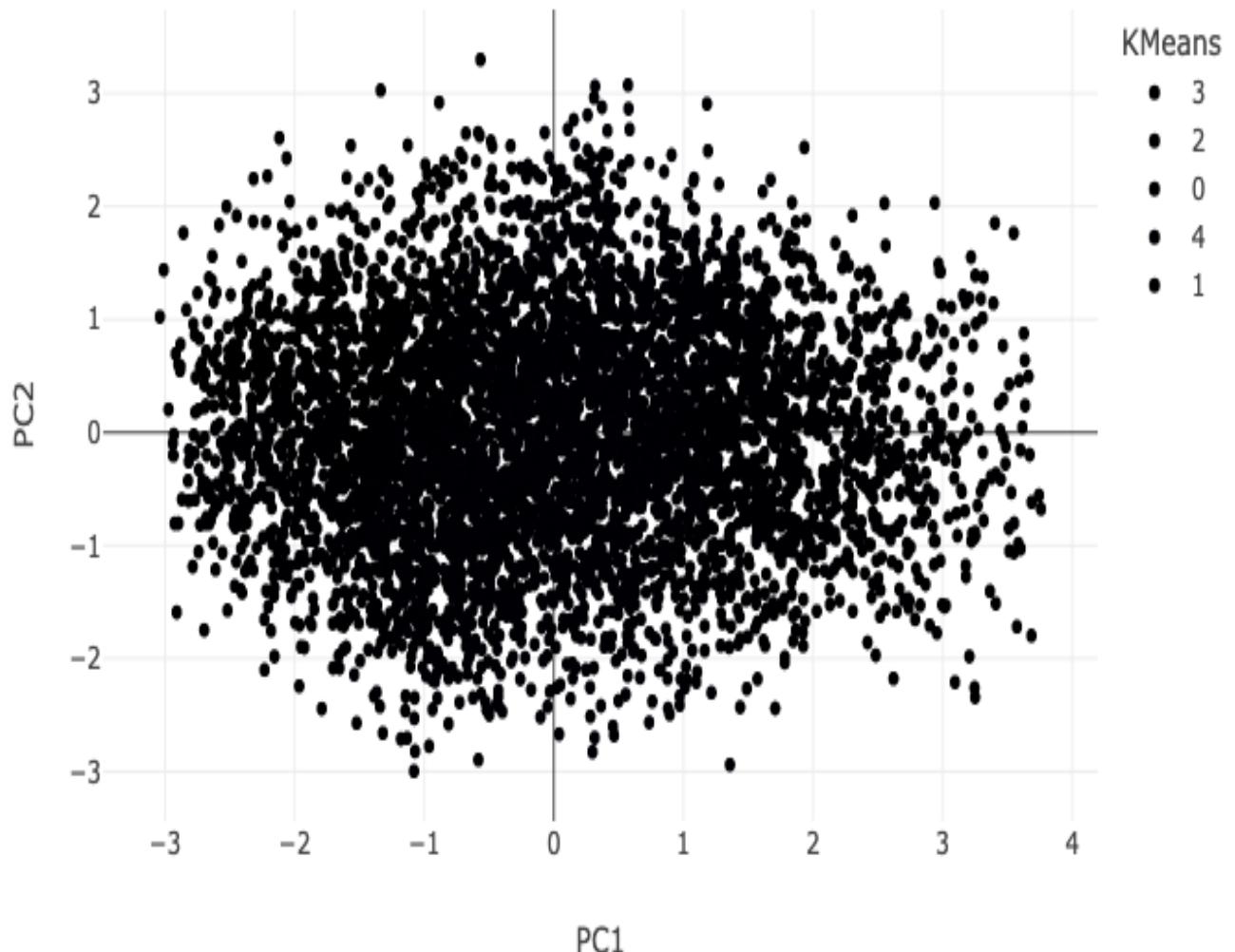
02_matrix_confusion.png

Top 25 importancias



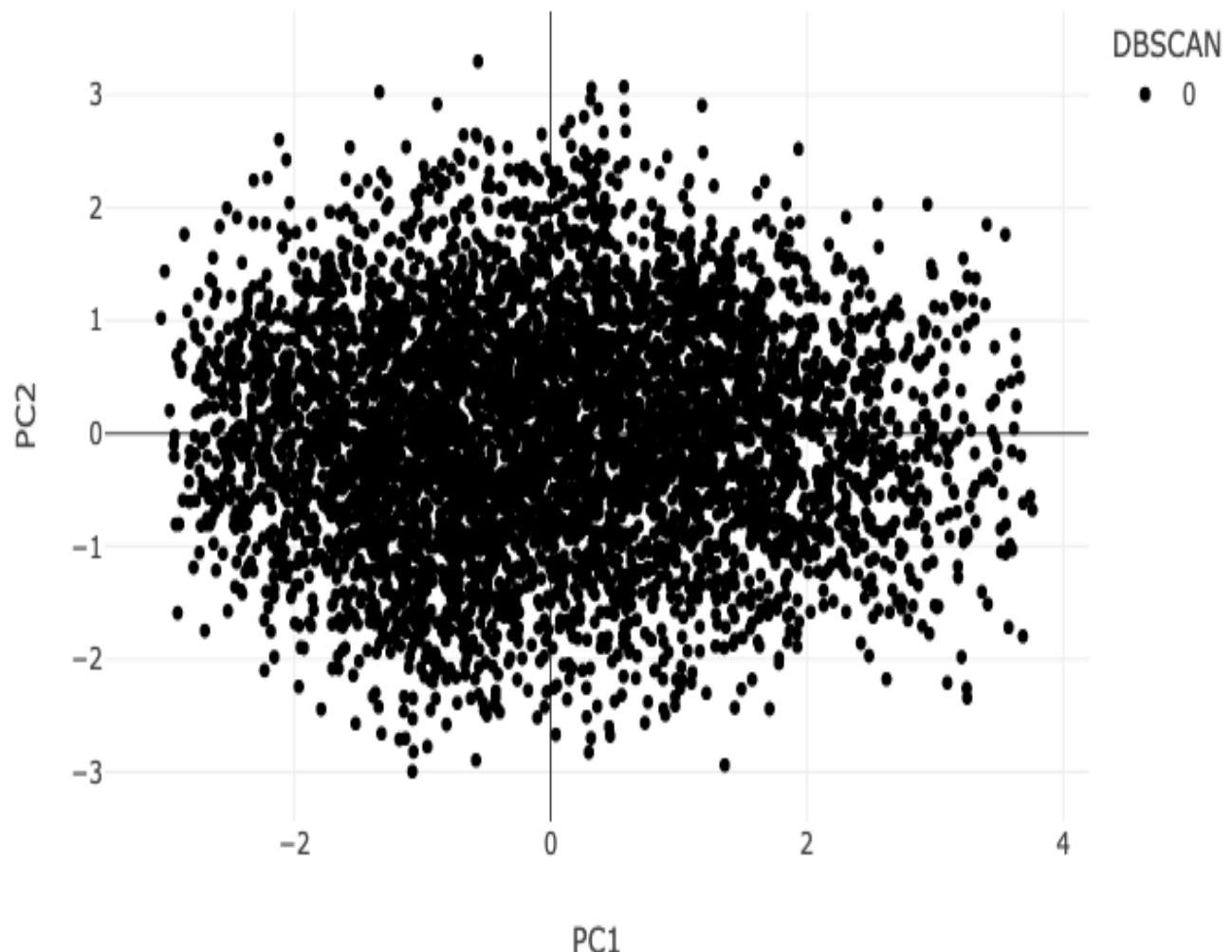
03_importancias.png

PCA 2D (KMeans)



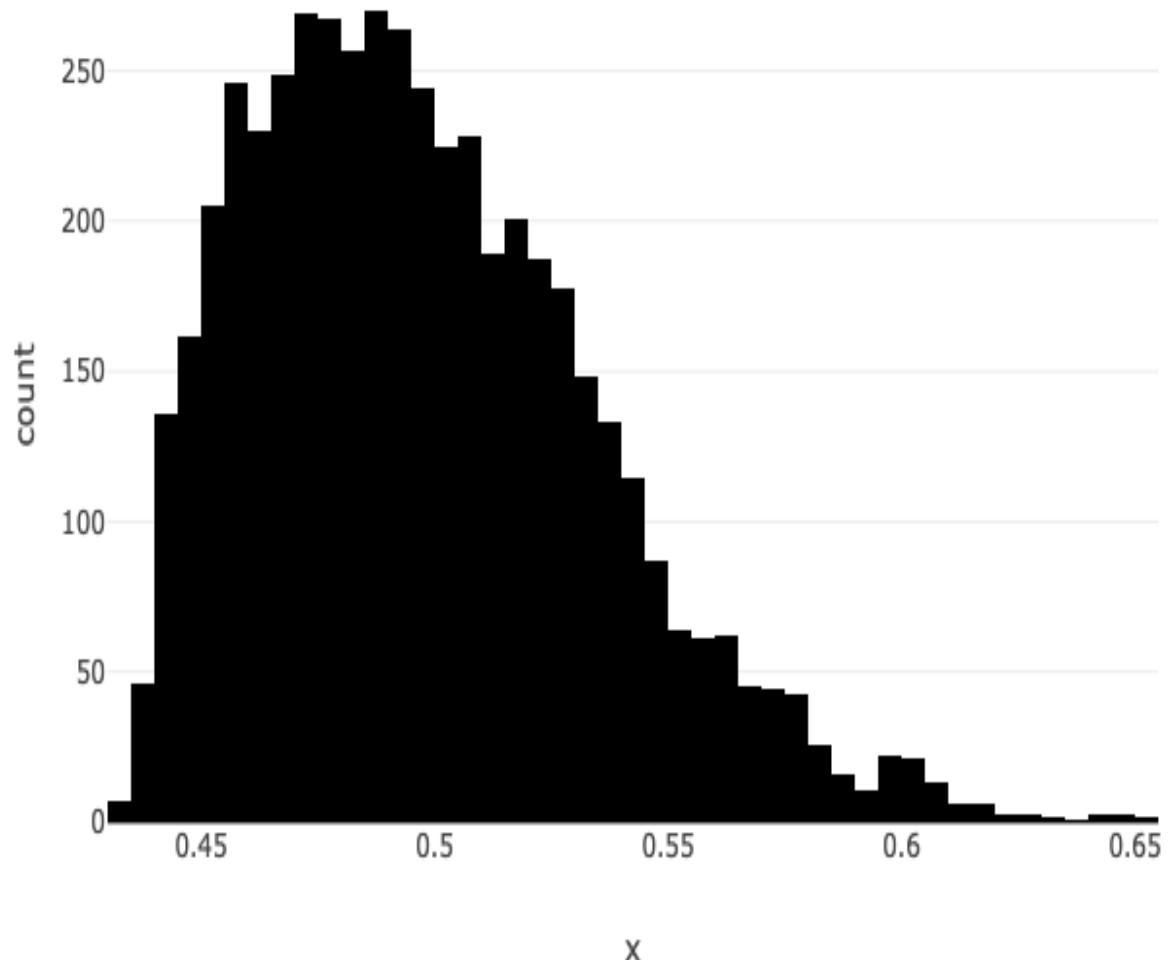
04_kmeans_pca.png

PCA 2D (DBSCAN)



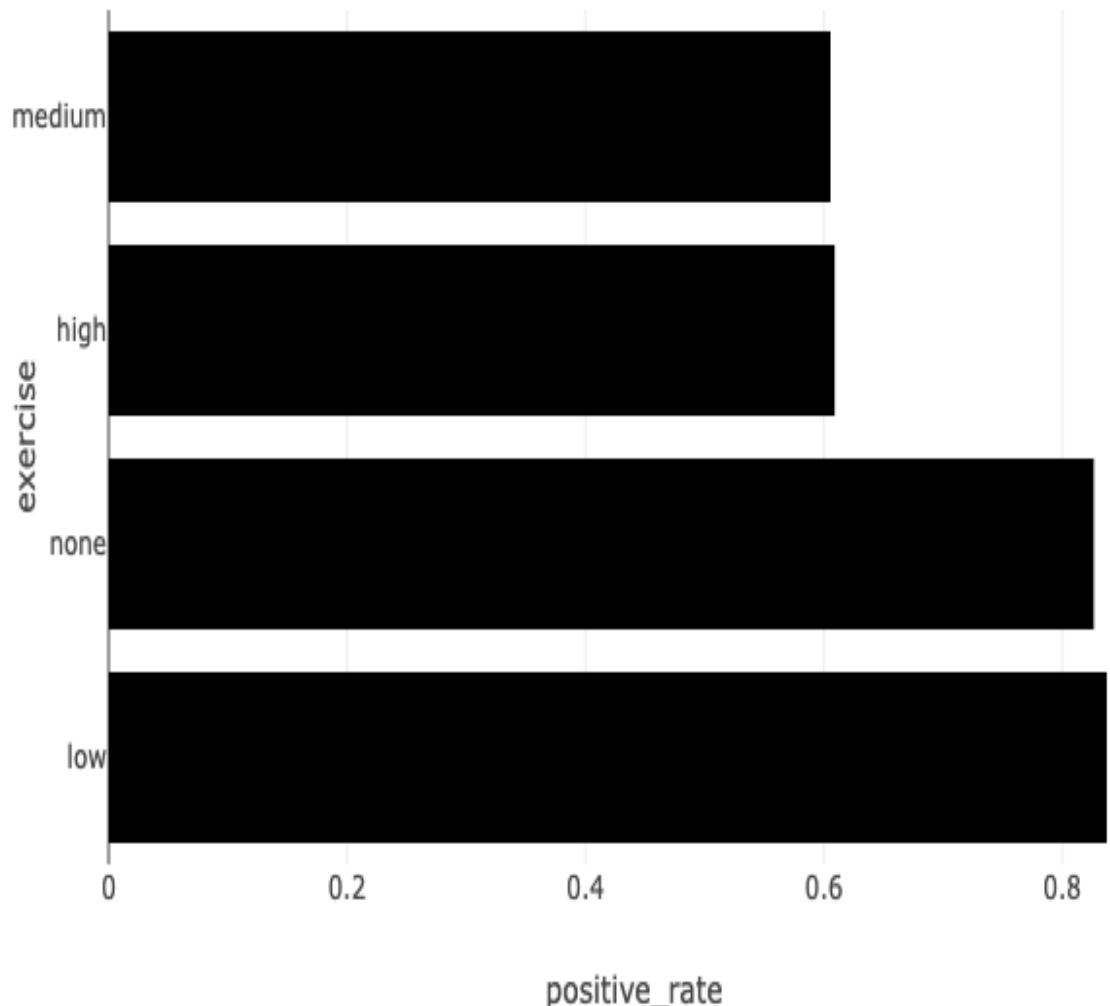
05_dbSCAN_pca.png

Distribución de anomaly_score



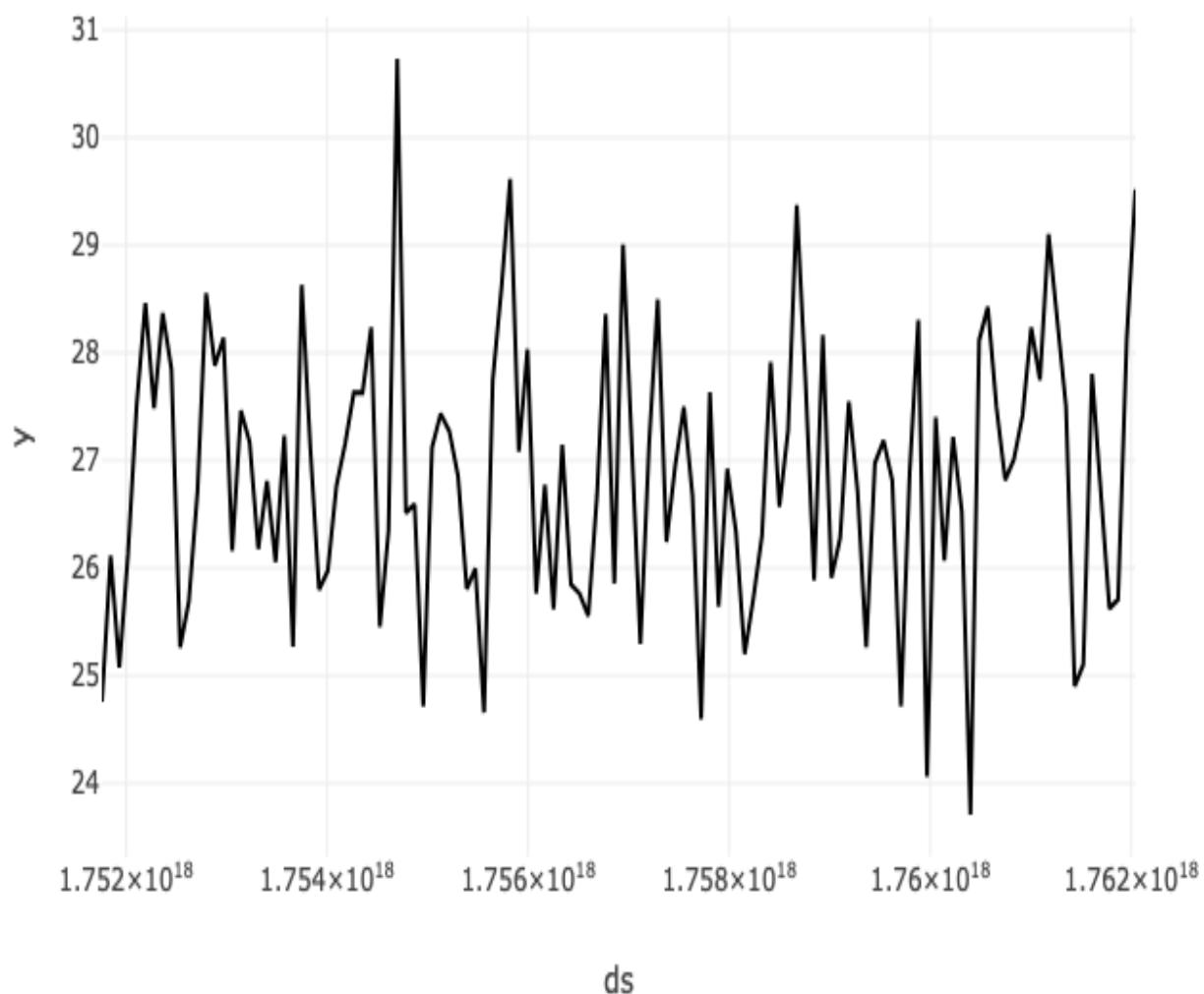
06_anomalias_scores.png

Fairness – tasa positiva por exercise



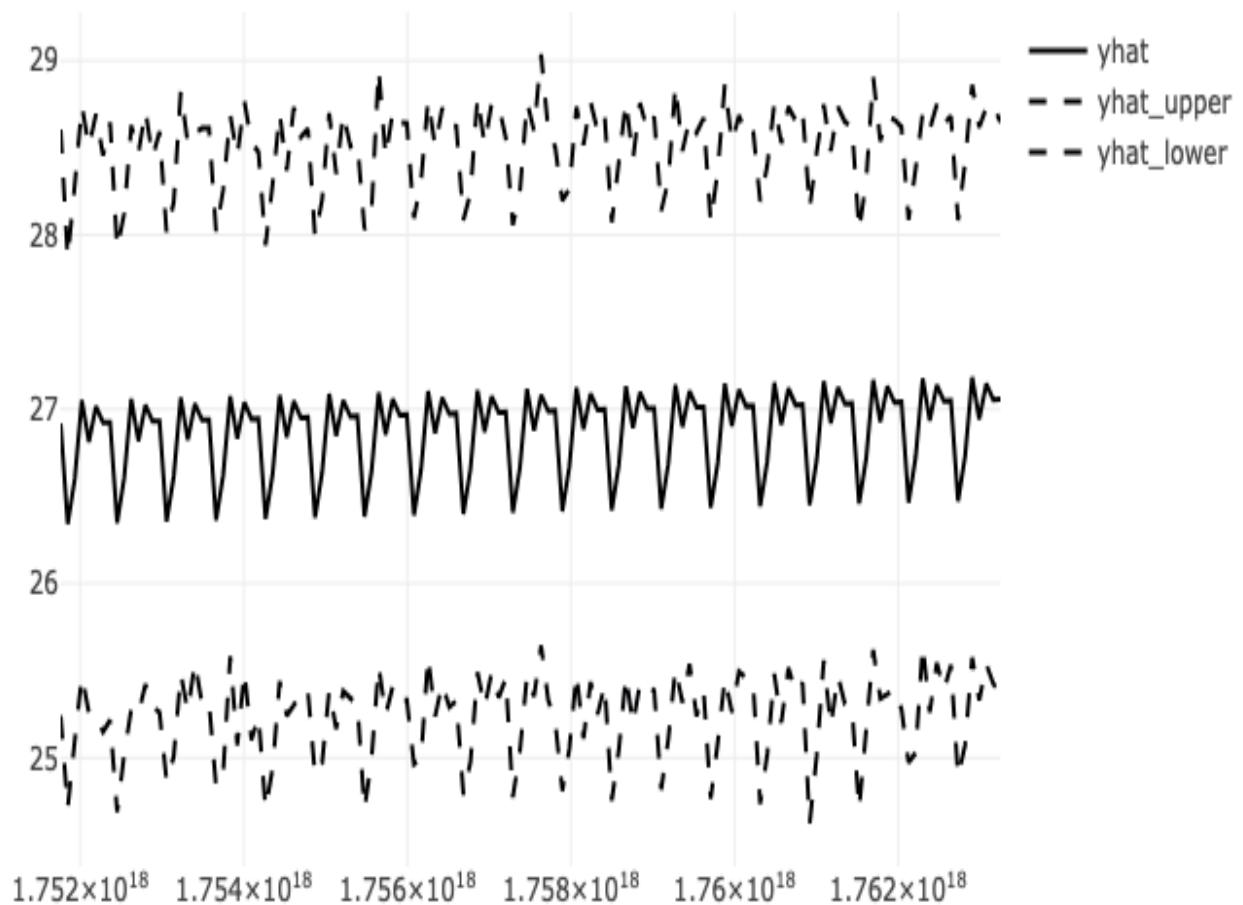
07_fairness.png

bmi promedio diario (histórico sintético)



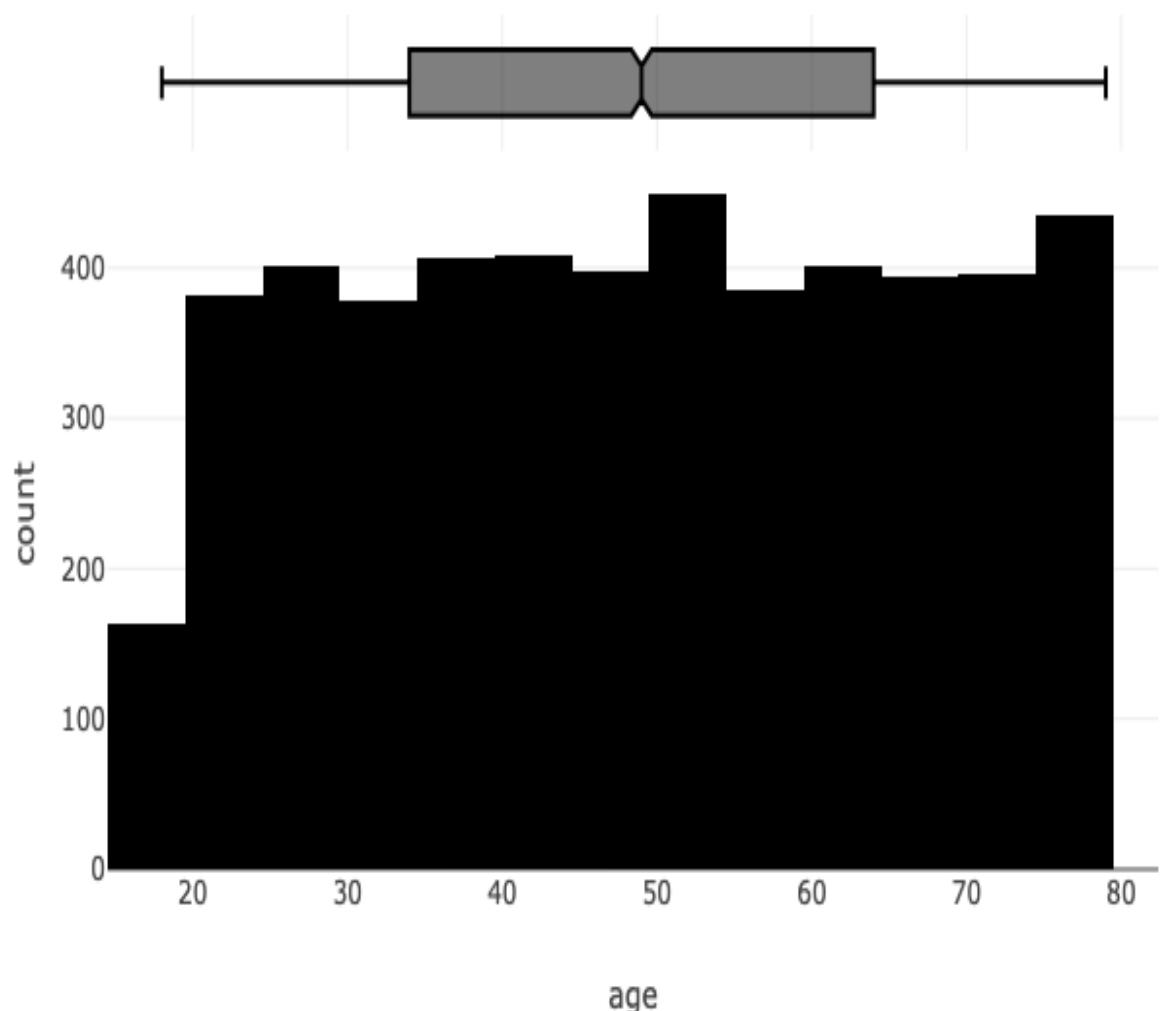
08_ts_historico.png

Pronóstico bmi (+14 días)



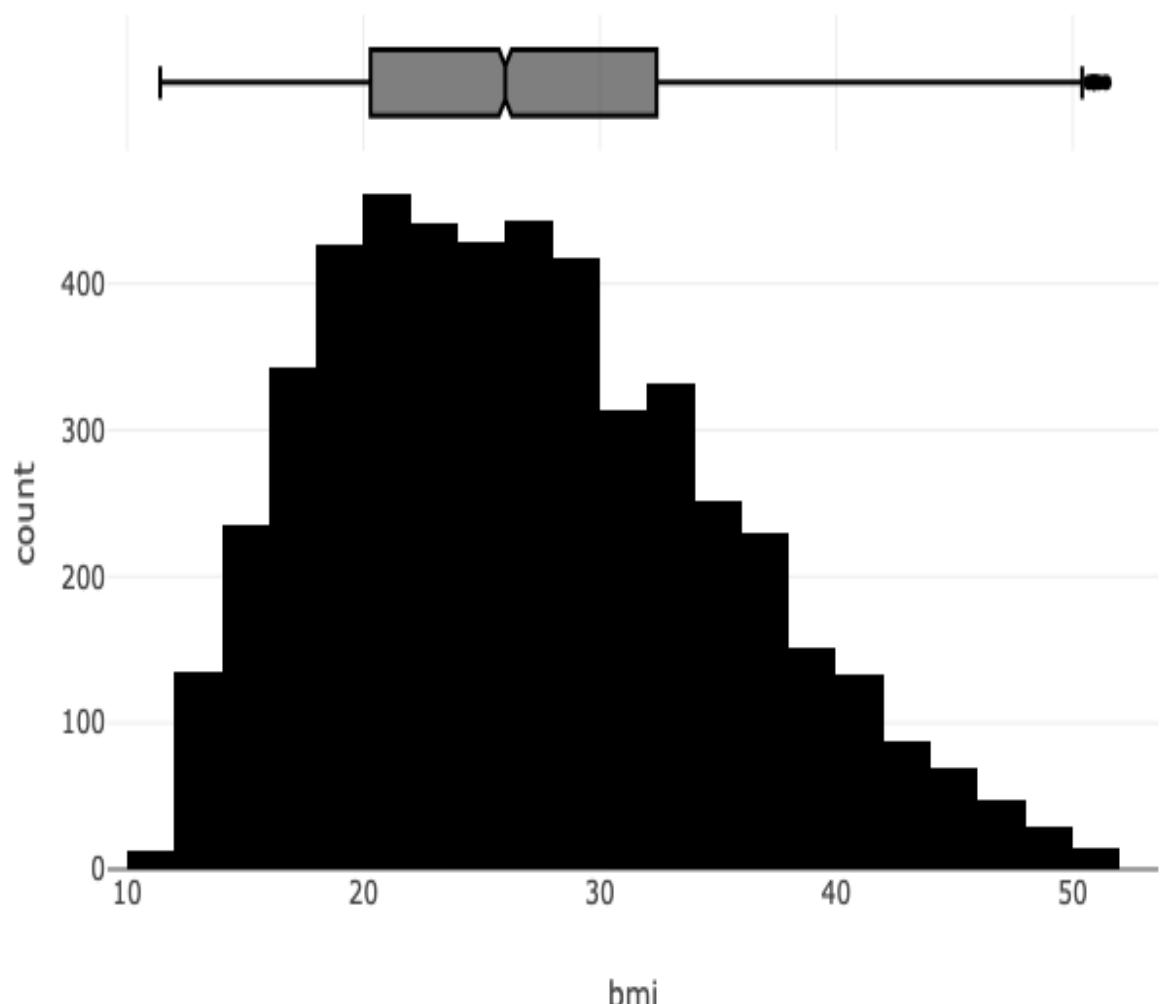
09_ts_forecast.png

Distribución: age



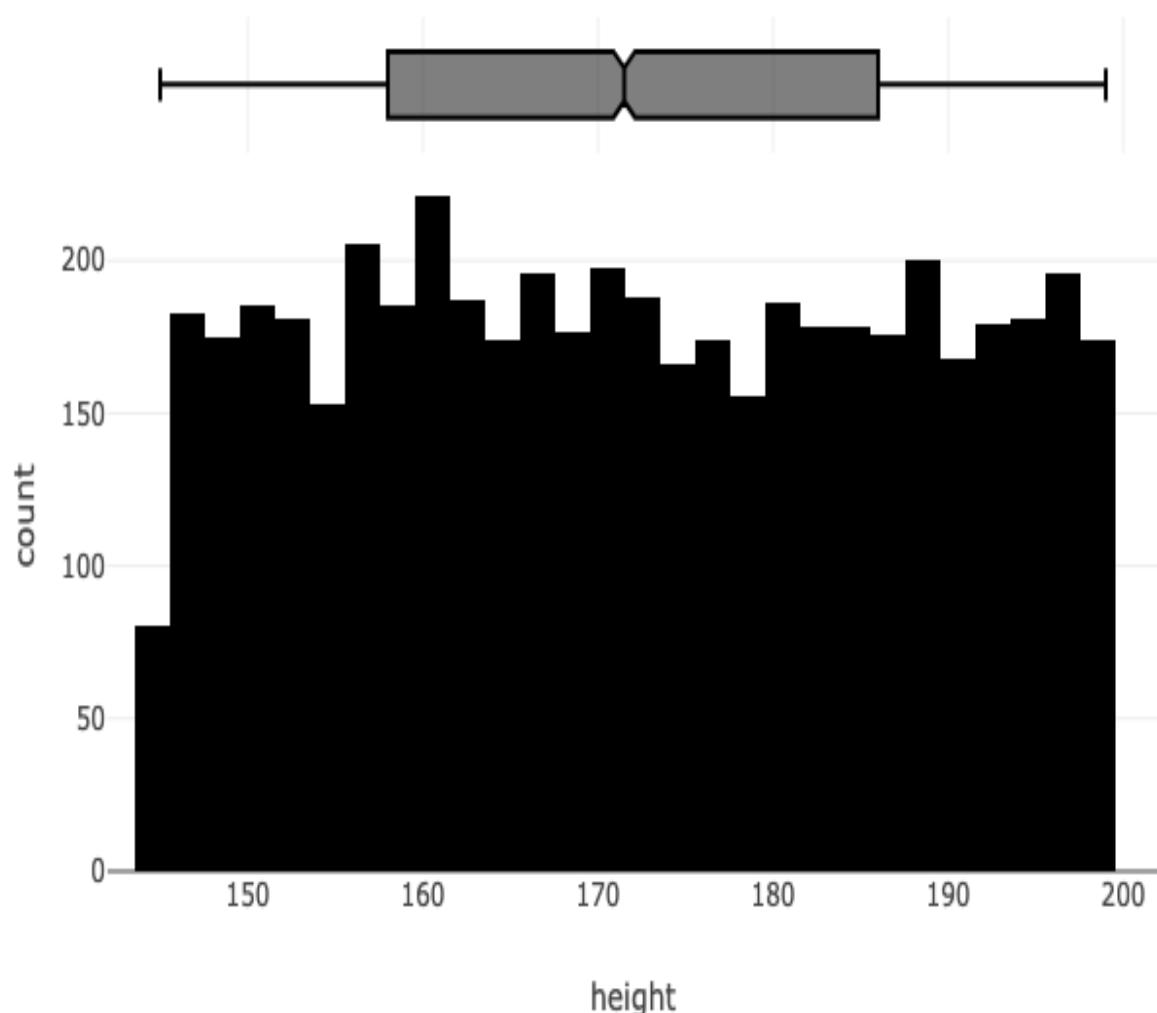
hist_age.png

Distribución: bmi



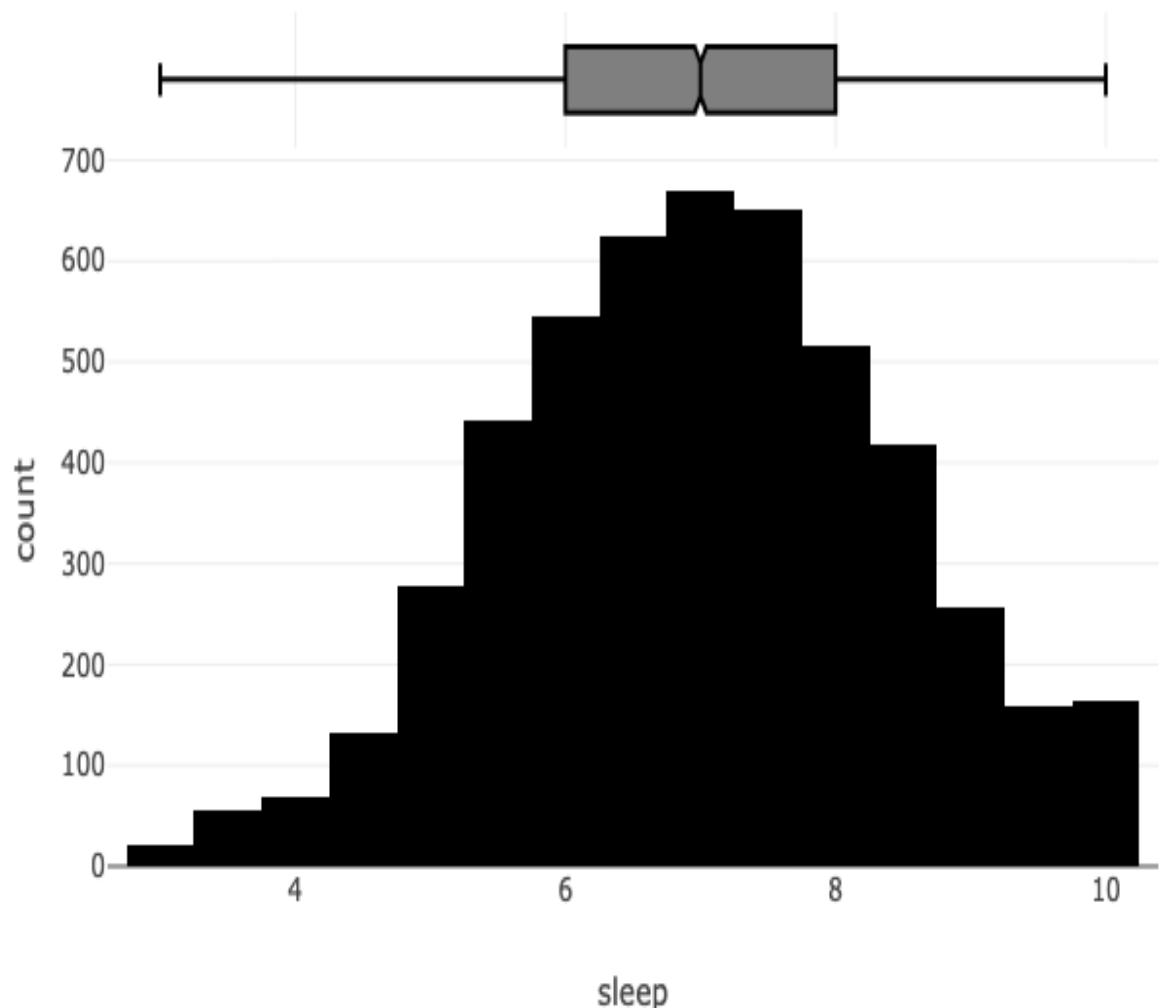
hist_bmi.png

Distribución: height



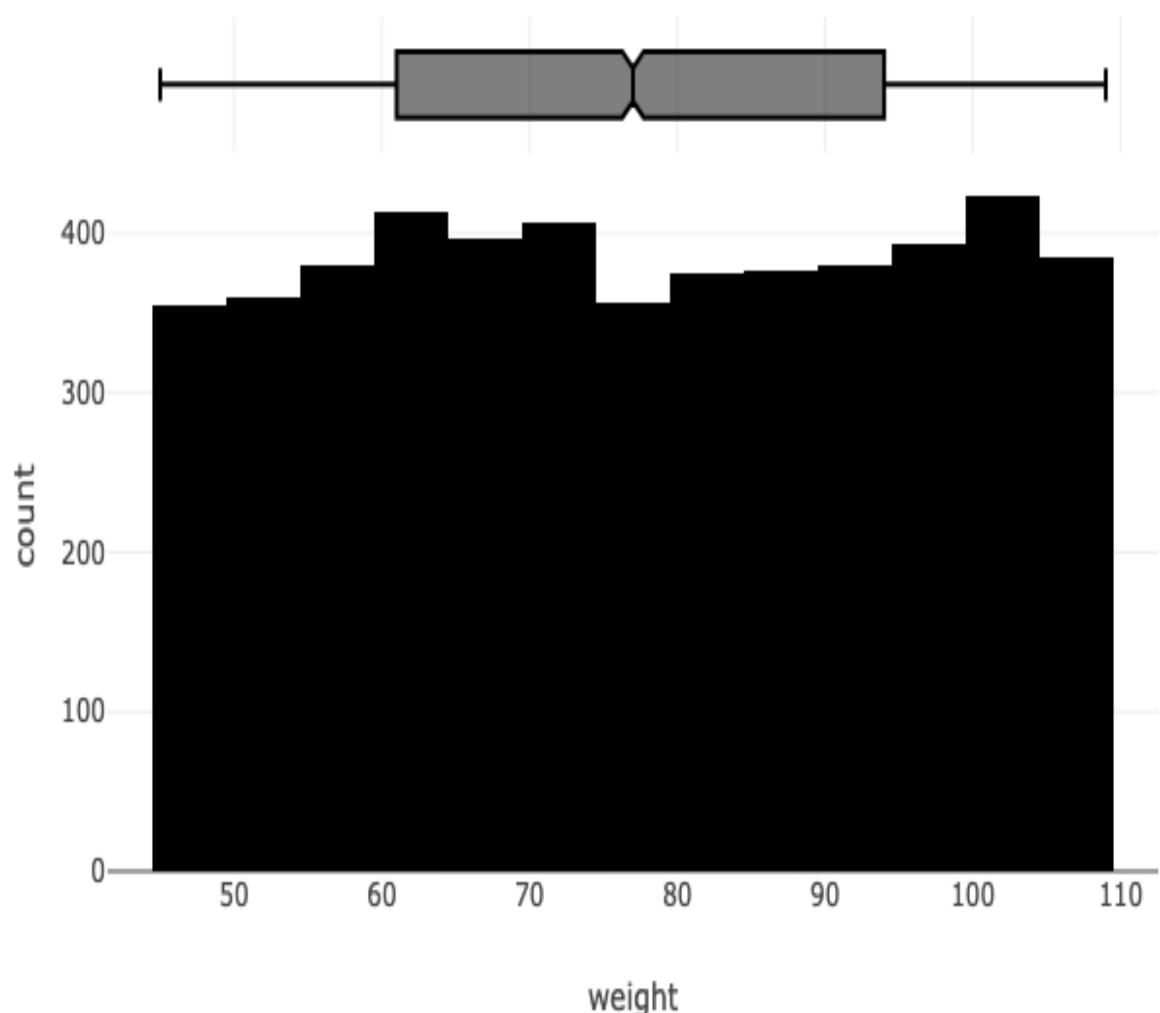
hist_height.png

Distribución: sleep



hist_sleep.png

Distribución: weight



hist_weight.png