Tool Window Usage Analysis: manual vs auto

Dataset: toolwindow_data.csv | events: 3503 | users: 205 | episodes: 1865 | censored episodes kept: 34

Assumptions & Cleaning:

- Standardized event_id to {open, close} and open_type to {manual, auto}.
- Consecutive opens policy: close_previous.
- Right-censored episodes retained for survival analysis.

Surjeming statisticsn_ms=100, IQR multiplier=3.0 (group-wise).

By Crown comperison: Mann-Whitney U; Cliff's delta; bootstrap 95% CI for mean/median.

- Menusternanuallysis-560; rosen +60 dism (95% all (655 W/11,76x757)) (if mediatole dispose (95% CI [7.21,11.02]), IQR=[1.81,55.18]
- auto: auto: n=982, mean=791.23s (95% CI [698.20,887.22]), median=157.54s (95% CI [133.80,185.81]), IQR=[31.64,791.75]

Statistical tests

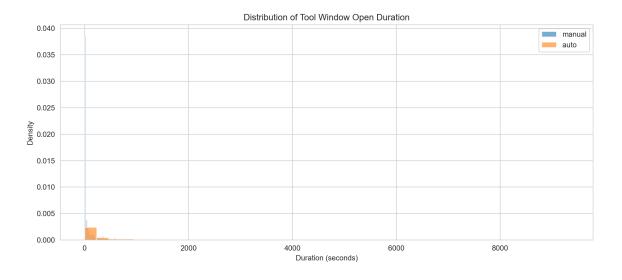
Mann-Whitney U: U=105866.50, p=6.19521e-90

Cohen's d=-0.610, mean_diff=-725.18s Cliff's delta=-0.615 (magnitude: large)

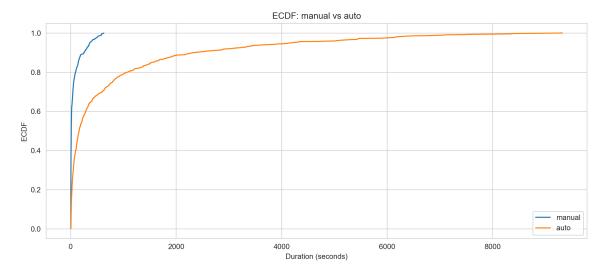
Per-user Wilcoxon: n users=109, W=527.00, p=8.08449e-14

Log-rank test: chi2=509.49, p=8.18938e-113

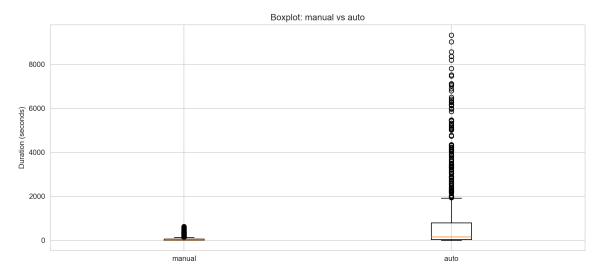
Histogram



ECDF



Boxplot



Kaplan-Meier

