

Replicate Ba et al. 2021 - Merge Arrests to Shift Assignments

Merge arrests - Ba et al. 2021

- Number of resulting rows: 2962392
- Number of arrests which occurred during a shift: 245152
 - Percentage of arrests (321872): 76.164438%
- Number of shift assignments retained: 2931777
 - Percentage of shift assignments: 99.9692091%
- 3373 shift assignments matched with at least one arrest **without having** a start time and an end time.
 - This represents 0.1150143% of all shift assignments.
 - 3842 arrests are affected or 1.1936422% of all arrests.
- There are 97 arrests which match to more than one shift assignment.
 - These **duplicate** arrests represent 0.0301362% of all arrests (321872).
 - 180 shift assignments are affected or 0.0061377% of all shift assignments.
 - In total, there are 194 **duplicate stop-shift observations** representing 0.0065488% of all arrest-shift observations.

Merge arrests - Risi

- Number of resulting arrests: 2962589
- Number of arrests which occurred during a shift: 240044
 - Percentage of arrests (321872): 74.5774718%
 - Number of fewer arrests matched than Ba et al. 2021: 5108
 - Percent reduction from Ba et al. 2021: 2.0836053%
- Number of shift assignments retained: 2932680

- **Percentage of shift assignments:** 100% **NOTE** this should be 100%.
- 0 shift assignments matched with at least one arrest **without having** a start time and an end time. **NOTE** that this should be 0.
- There are 9 arrests which match to more than one shift assignment.
 - These **duplicate** arrests represent 0.0027961% of all arrests (321872).
 - 18 shift assignments are affected or $6.1377307 \times 10^{-4}\%$ of all shift assignments.
 - In total, there are 18 **duplicate arrest-shift observations** representing $6.0757668 \times 10^{-4}\%$ of all arrest-shift observations.
 - As noted above, **all these entries are dropped**.