

# Manuscript Validation

## Comparison Data Sets

ICS-209-PLUS [https://github.com/katiemcconnell/ICS-209-PLUS\\_spatiotemporal\\_linkage](https://github.com/katiemcconnell/ICS-209-PLUS_spatiotemporal_linkage)

## Comparison Figures

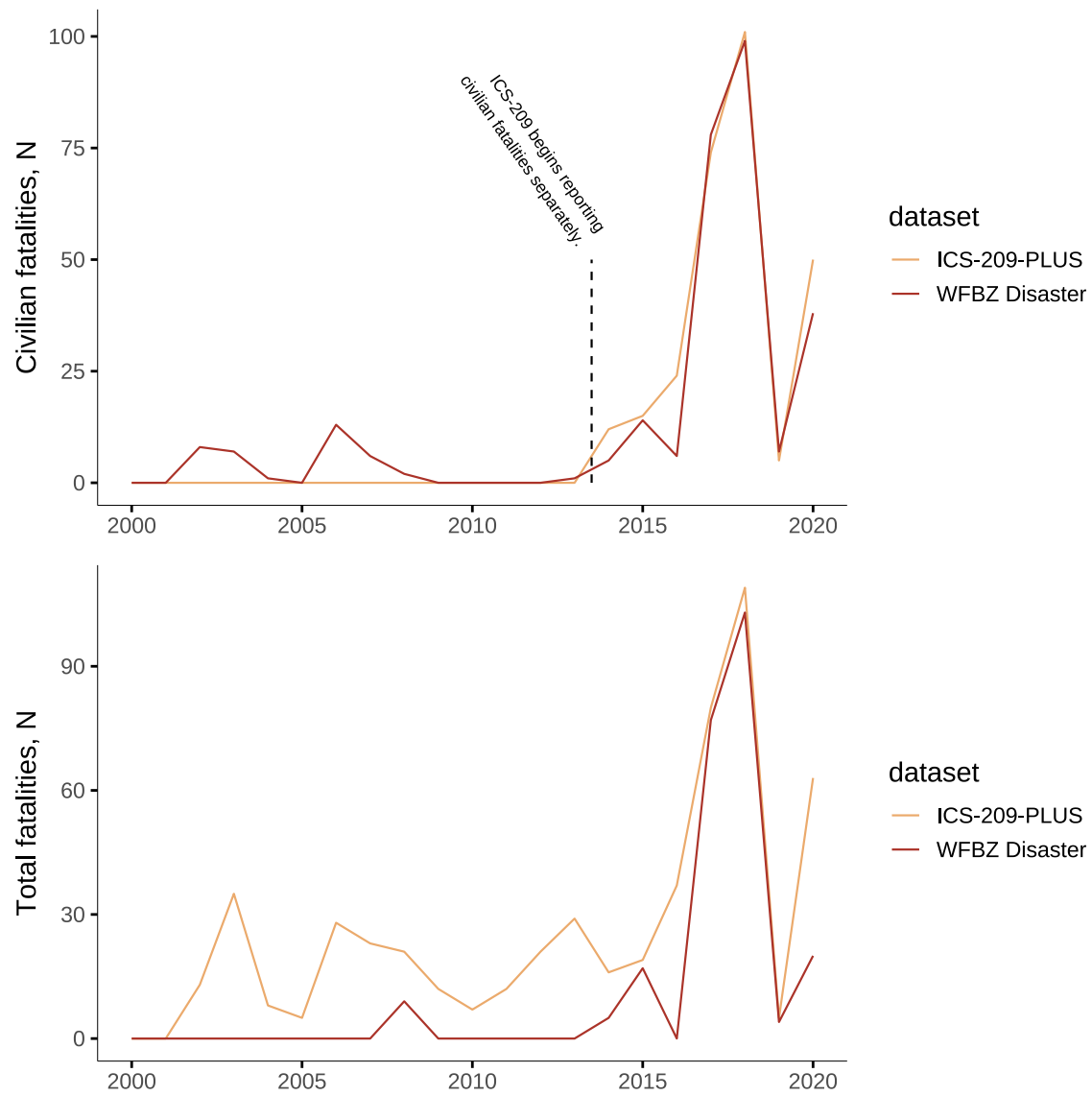
### Number of Disaster Fires

For ICS209-PLUS, we defined a disaster fire as a fire that destroyed a building, had any fatality in or before 2013, or had a civilian fatality after 2013.



```
# A tibble: 4 x 2
  name                                value
  <chr>                             <dbl>
1 Mean Diff (WFBZ - ICS-209-PLUS)    13.3
2 SD Diff (WFBZ - ICS-209-PLUS)     55.0
3 Mean Abs Diff (WFBZ - ICS-209-PLUS) 44.4
4 SD Abs Diff (WFBZ - ICS-209-PLUS)  33.9
```

## Fatalities



Stats for 2014 - 2020 only:

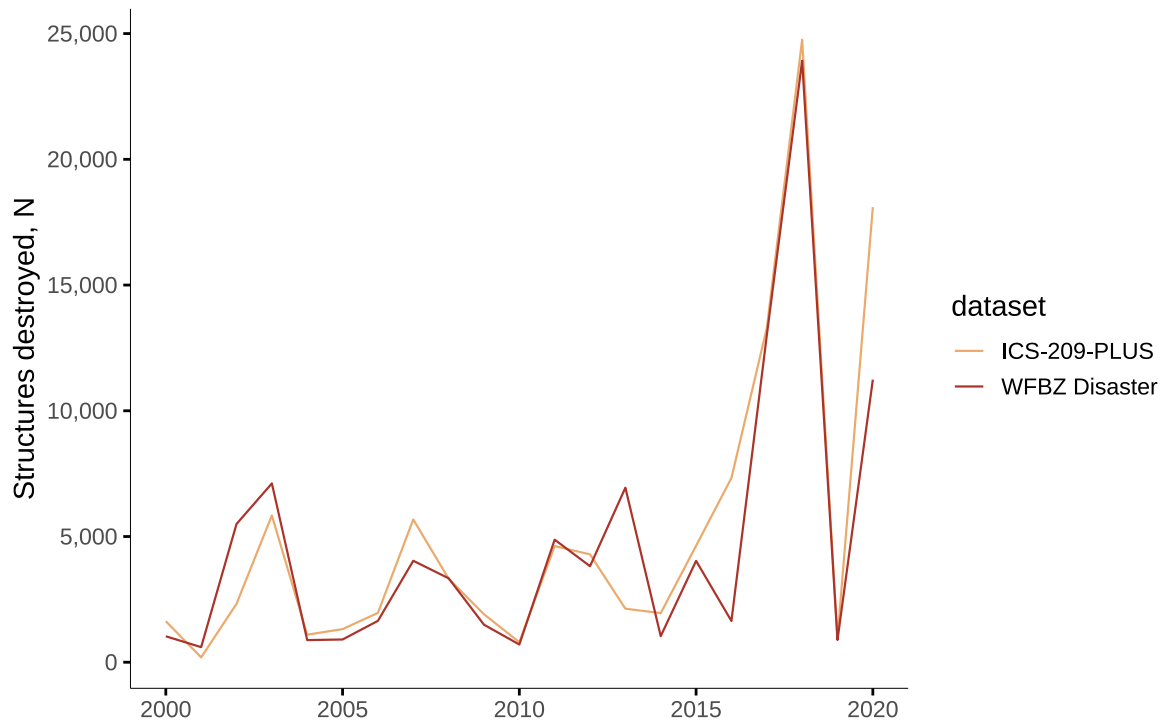
```
# A tibble: 4 x 2
  name                                value
  <chr>                               <dbl>
1 Mean Diff (WFBZ - ICS-209-PLUS)    -4.86
2 SD Diff (WFBZ - ICS-209-PLUS)      7.93
```

```

3 Mean Abs Diff (WFBZ - ICS-209-PLUS)  6.57
4 SD Abs Diff (WFBZ - ICS-209-PLUS)    6.32

```

## Structures



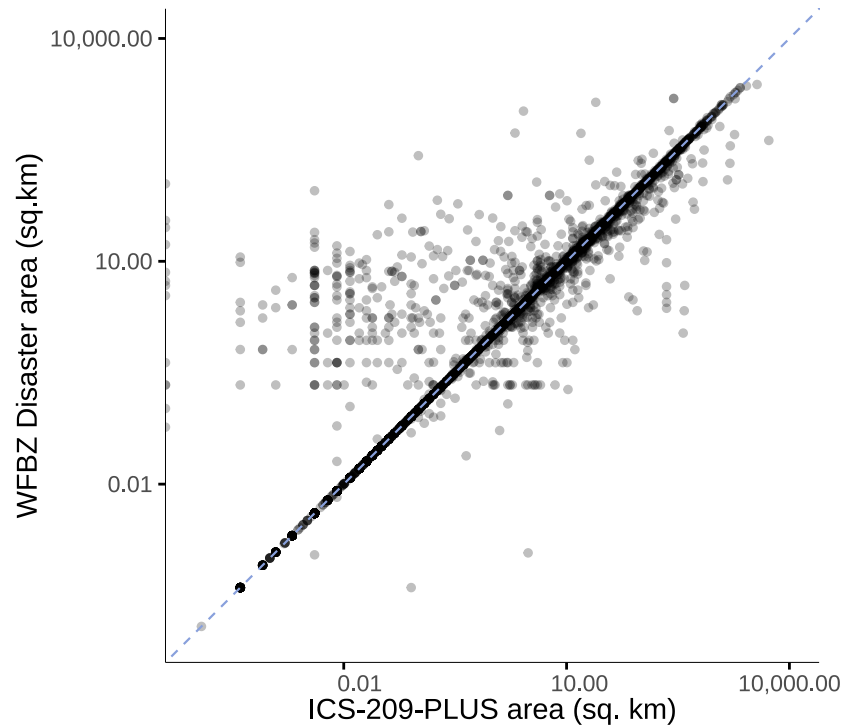
```

# A tibble: 4 x 2
  name                                value
  <chr>                                <dbl>
1 Mean Diff (WFBZ - ICS-209-PLUS)    -452.
2 SD Diff (WFBZ - ICS-209-PLUS)      2408.
3 Mean Abs Diff (WFBZ - ICS-209-PLUS) 1399.
4 SD Abs Diff (WFBZ - ICS-209-PLUS)   1989.

```

## Direct Comparisons

### Comparison of sizes of fires



We were able to match 4863 ICS-209-PLUS records to 4818 WFBZ Disaster records (some WFBZ Disasters included multiple records from ICS-209 and therefore corresponded to multiple ICS-209-PLUS records).

Median Difference (WFBZ Disaster - ICS-209-PLUS): 0

Median Abs. Difference: 0

IQR Difference: -0.5344782 to 0.5344782

IQR Abs. Difference: -0.5344782 to 0.5344782

Spearman Correlation: 0.9401503

Pearson Correlation: 0.846114