

Manuscript Validation

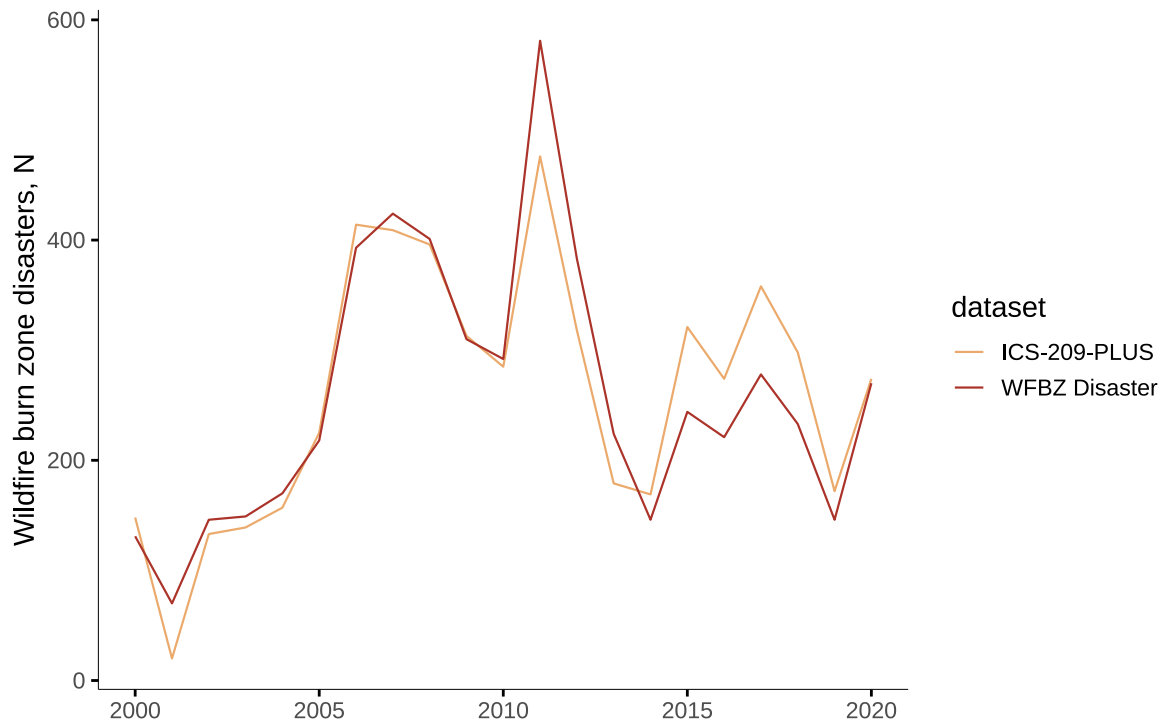
Comparison Data Sets

ICS-209-PLUS https://github.com/katiemcconnell/ICS-209-PLUS_spatiotemporal_linkage

Comparison Figures

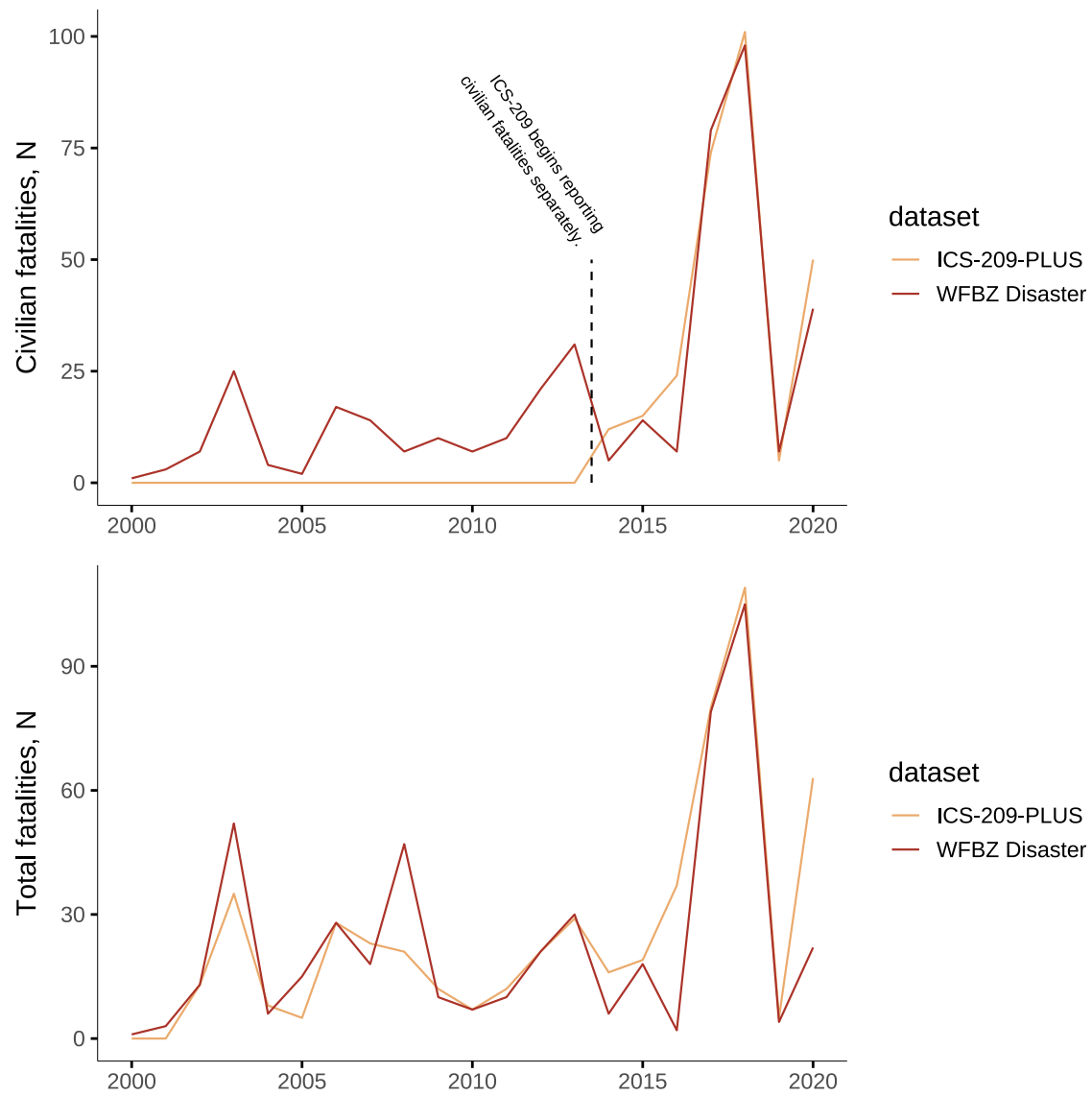
Number of Disaster Fires

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)    -2.29
2 SD Diff (WFBZ - ICS-209-PLUS)      45.7
3 Mean Abs Diff (WFBZ - ICS-209-PLUS) 33.5
4 SD Abs Diff (WFBZ - ICS-209-PLUS)  30.2
```

Fatalities



Stats for 2014 - 2020 only:

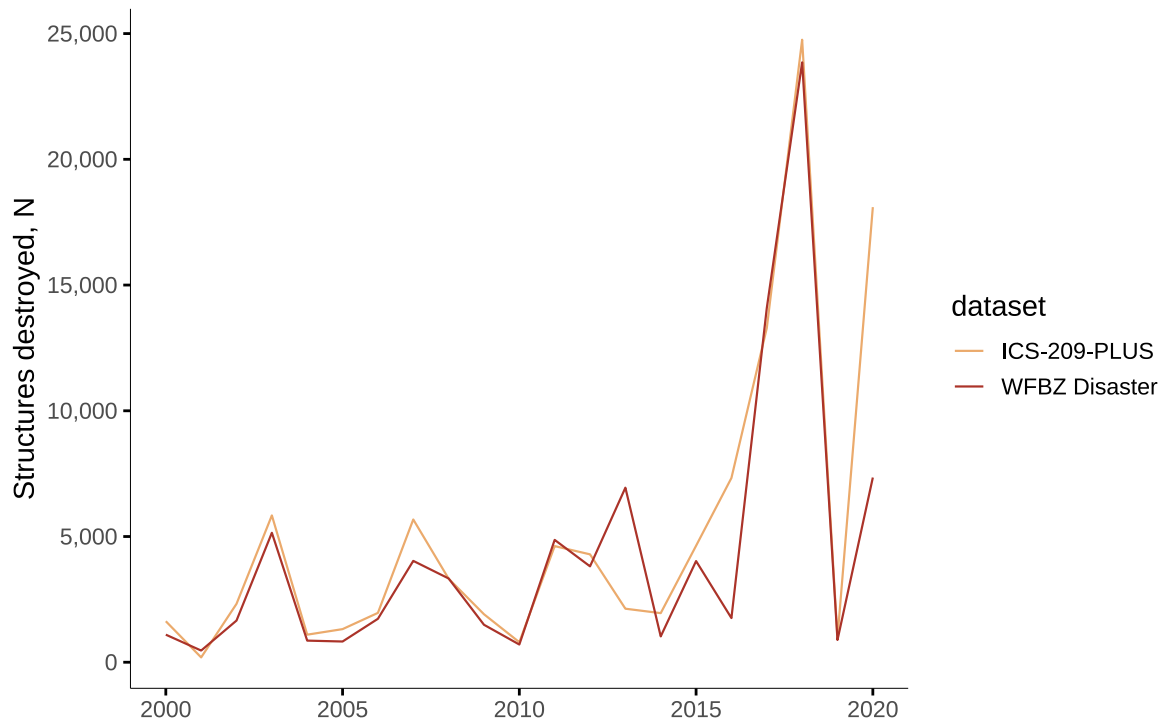
```
# A tibble: 4 x 2
  name                                value
  <chr>                               <dbl>
1 Mean Diff (WFBZ - ICS-209-PLUS) -4.57
2 SD Diff (WFBZ - ICS-209-PLUS)    7.66
```

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3 Mean Abs Diff (WFBZ - ICS-209-PLUS)  6.57
4 SD Abs Diff (WFBZ - ICS-209-PLUS)    5.71

```

Structures



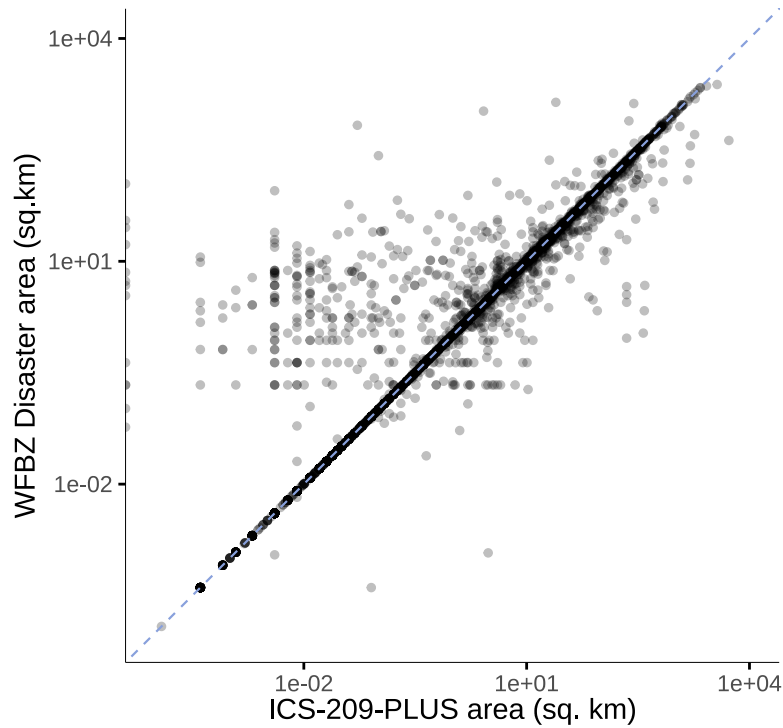
```

# A tibble: 4 x 2
  name                                value
  <chr>                               <dbl>
1 Mean Diff (WFBZ - ICS-209-PLUS)    -866.
2 SD Diff (WFBZ - ICS-209-PLUS)      2842.
3 Mean Abs Diff (WFBZ - ICS-209-PLUS) 1451.
4 SD Abs Diff (WFBZ - ICS-209-PLUS)   2580.

```

Direct Comparisons

Comparison of sizes of fires



We were able to match 4697 ICS-209-PLUS records to 4663 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: $6.9388939 \times 10^{-18}$

IQR Difference: -0.4690426 to 0.4690426

IQR Abs. Difference: -0.4690426 to 0.4690426

Spearman Correlation: 0.9381871

Pearson Correlation: 0.8480711