By NEWS event, proportion missing values per attribute
```
> apply(d[,1:7],2,function(x) mean(is.na(x)))
   n_aff  tot_de   n_inj country    n_hl tot_aff    date
  0.2794  0.1180  0.7343  0.0000  0.9671  0.1996  0.0000
```

per-event aggregation

```
> ee=d %>% group_by(eid) %>%
summarise(num_articles=n(),tot_de=tot_de[1],tot_aff=tot_aff[1],c
ountry=country[1],e_type=e_type[1]) %>% filter(!is.na(tot_de)
& !is.na(tot_aff))
```

Filter to articles mentioning events that have both total deaths and total affected data.

per type:
```
> ee %>% filter(!is.na(tot_de) & !is.na(tot_aff)) %>%
group_by(e_type) %>% summarise(n_events=n(),
n_articles=sum(num_articles), a_per_e=n_articles/n_events,
mean(tot_de),sd(tot_de),mean(tot_aff),sd(tot_aff))
`summarise()` ungrouping output (override with `.groups`
argument)
# A tibble: 7 x 8
   e_type     n_events n_articles a_per_e `mean(tot_de)`
`sd(tot_de)` `mean(tot_aff)` `sd(tot_aff)`
   <chr>        <int>      <int>    <dbl>        <dbl>
<dbl>          <dbl>           <dbl>
1 avalanche        2        132      66          31.5
13.4            172           124.
2 earthquake       4       1125     281.          13.8
18.5          38981.         41471.
3 flood           47       1687      35.9         27.1
57.8         162579.        629731.
4 landslide        2         66      33            18
4.24          77932.        110193.
5 storm           24       6814     284.          19.1
27.9         992157.       3665481.
6 volcano          1       2302     2302            1
NA            736802          NA
7 wildfire         2         83      41.5          12
9.90          63600          88247.
```
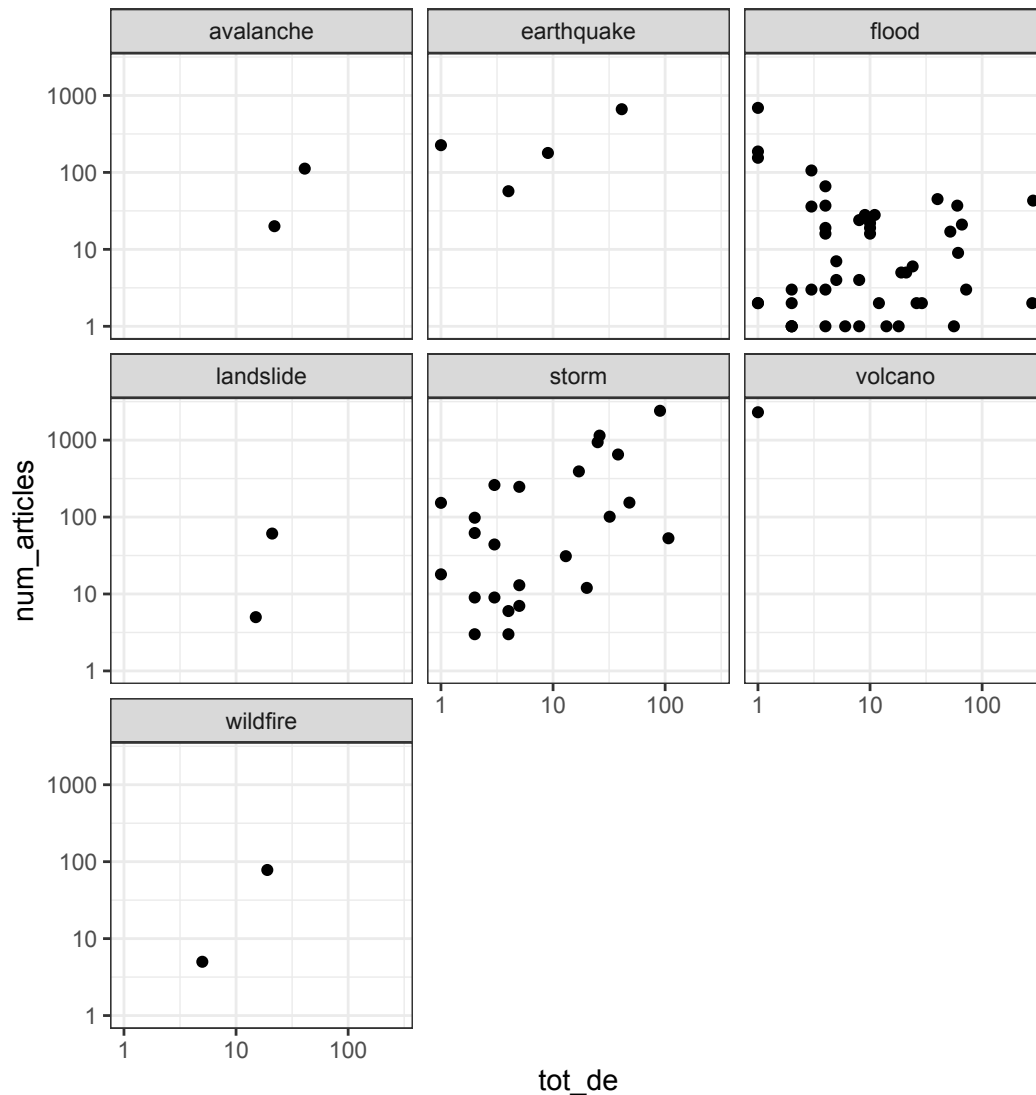
Does impact of the disaster affect coverage?
A little bit for storms. rho=.471 for deaths, rho=.371 for affecteds.
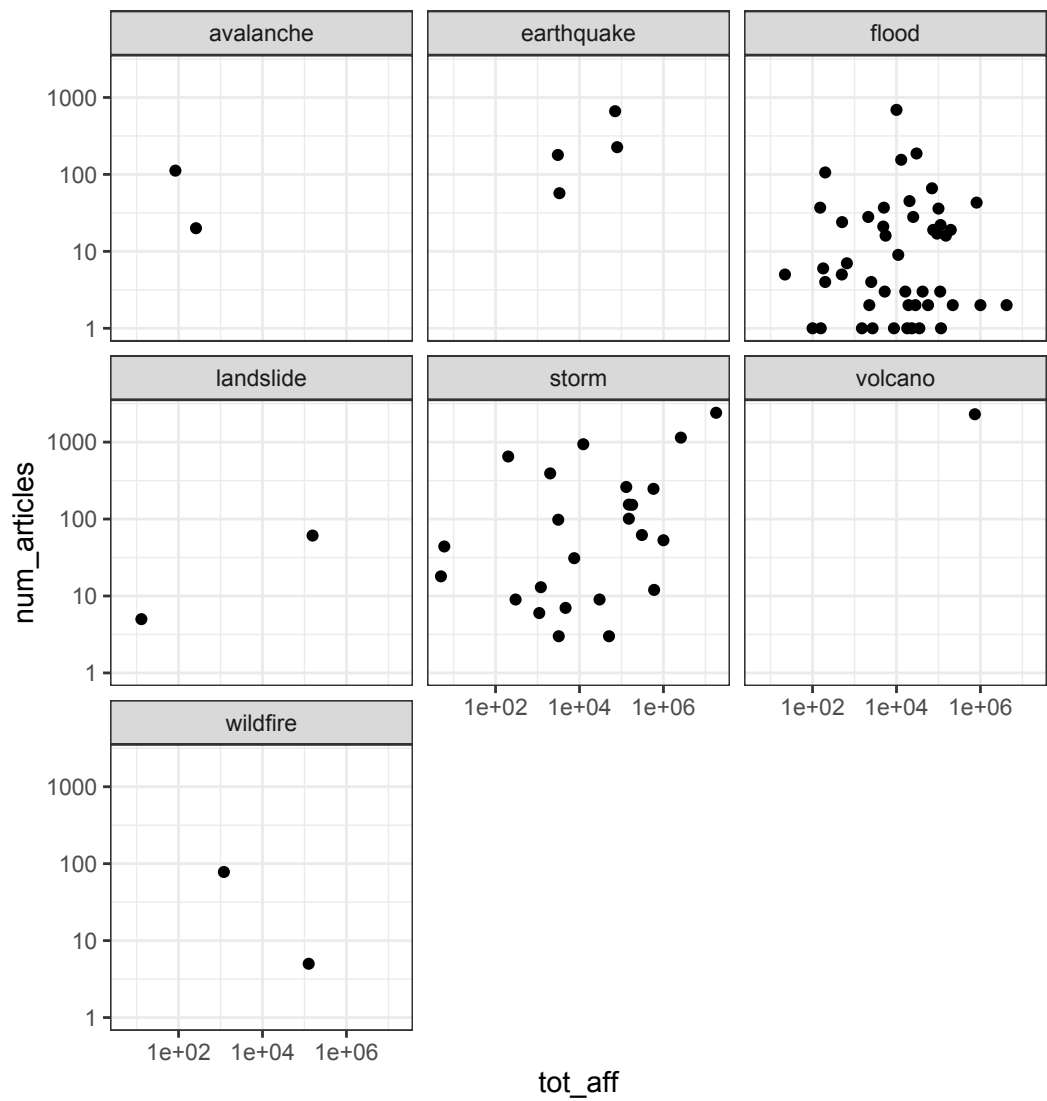
```
> ee%>%group_by(e_type) %>%
summarise(n_events=n(),cor(tot_de,num_articles,method='spearman'
),cor(tot_aff,num_articles,method='spearman')) %>%
filter(n_events>2)
`summarise()` ungrouping output (override with `.groups`
argument)
# A tibble: 3 x 4
  e_type      n_events `cor(tot_de, num_articles, method = "s…
`cor(tot_aff, num_articles, method = "…
  <chr>         <int>                                   <dbl>
<dbl>
1 earthqua…         4                                     0.4
0.6
2 flood            47                                 -0.0152
0.0194
3 storm            24                                   0.471
```

0.371

For all floods and storms, (geometric) mean number of articles per country where the event took place.

```
> ee %>% filter(e_type %in% c('flood','storm','earthquake')) %>%
group_by(e_type,country) %>%
summarise(n_events=n(),gm_arts=exp(mean(log(num_articles)))) %>%
arrange(-gm_arts) %>% print(n=99)
`summarise()` regrouping output by 'e_type' (override with
`.groups` argument)
# A tibble: 50 x 4
# Groups:   e_type [3]
   e_type     country n_events gm_arts
   <chr>      <chr>      <int>   <dbl>
 1 storm      NPL            2 1659.
 2 flood      GBR            1  690.
 3 earthquake GBR            1  663
 4 storm      GBR            1  650.
 5 storm      PHL            2  482.
 6 storm      ESP            1  392.
 7 earthquake VAT            1  226.
 8 earthquake SAU            1  179
 9 storm      SLB            1  154.
10 storm      CAN            1  153.
11 flood      ZAF            1  106.
12 storm      SGP            1  101.
13 storm      FJI            1   98.
14 flood      CAN            2   83.5
15 flood      IND            2   72.4
16 flood      KGZ            1   66.0
17 earthquake NGA            1   57.
18 storm      PAK            1   53.
19 storm      NZL            1   44.0
20 flood      UGA            1   36
21 storm      AFG            1   31
22 storm      USA            5   27.9
23 flood      AUS            1   19.0
24 storm      CZE            1   18.0
25 flood      TUR            1   17
26 flood      KEN            3   16.0
27 flood      TJK            1   16.0
28 storm      CHN            1   12
29 flood      PAK            2   11.2
30 flood      USA            7   10.9
31 flood      SGP            1    9.
```

32	storm	VNM	1	7.00
33	storm	IND	1	6
34	flood	IRN	2	4.47
35	flood	IDN	3	3.85
36	flood	NGA	3	3.53
37	flood	RWA	2	3.
38	storm	NGA	1	3.
39	storm	THA	1	3.
40	flood	ISR	2	2.65
41	flood	CHN	1	2
42	flood	GHA	1	2
43	flood	IRL	2	2
44	flood	MWI	1	2
45	flood	AFG	1	1
46	flood	ARM	1	1
47	flood	HKG	1	1
48	flood	TWN	1	1
49	flood	YEM	1	1
50	flood	ZWE	1	1