

SBA Diasaster Loans Plot 1

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SBA Home Loans Observations

```
## # A tibble: 10 x 4
##   state home_total_loans home_realestate_loss home_total_loss
##   <fct>          <dbl>          <dbl>          <dbl>
## 1 NY           1288351300          2082505021      3061023076
## 2 NJ           639158800          1187735831      1637964328
## 3 CT           38744700           64308334       83544693
## 4 MD           2556700           6189802       8387509
## 5 RI           1278000          2638325       3349897
## 6 VA           888700           1757173       2447188
## 7 DE           188200           376890       568722
## 8 WV           27800           107753       128653
## 9 NC           18900           113909       195534
## 10 <NA>         NA              NA              NA
```

Going by the numbers, New York and New Jersey received the most value in home loans while North Carolina and West virginia received the least in home loans. New York and New Jersey did have the highest home real estate losses so they did deserve the greater value than other states. Most likely this is because both states have greater populations, number of properties, and property values than the other states.

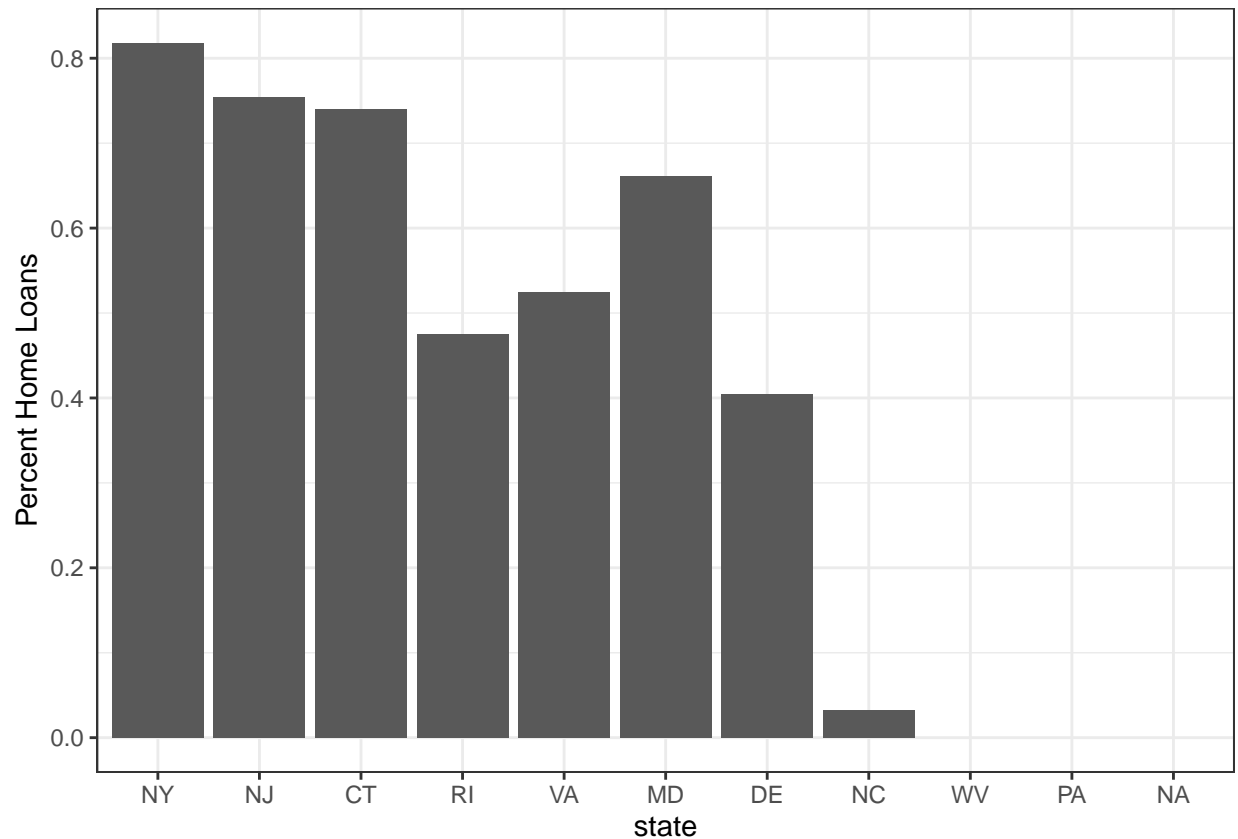
SBA Business Loans Observations

```
## # A tibble: 10 x 4
##   state business_total_loans business_realestate_loss business_total_loss
##   <fct>          <dbl>          <dbl>          <dbl>
## 1 NY           286465000          528458870      878134156
```

##	2	NJ	208976300	432689953	646643858
##	3	CT	13638000	25801009	30395355
##	4	RI	1411200	2980971	3594871
##	5	MD	1311600	3866509	5692684
##	6	VA	806400	1835891	2370311
##	7	NC	556200	1204139	1564628
##	8	DE	276900	221577	284476
##	9	PA	16500	0	0
##	10	<NA>	NA	NA	NA

Again it is evident that New York and New Jersey received the most business loans as well, while this time Delaware and Pennsylvania took the least business loans. This is again, most likely the case because both states have greater populations, number of properties, and property values than the other states.

Most Sandy SBA Loans were Home Loans



In terms of percentages of home loans versus business loans, five out of, really, 8 states had over 50% of loans

dedicated to home loans. It does seem as though most loans were for homes in terms of percentages, but it is difficult to say that confidently because, it could easily have been 50%.

Overall the hypothesis, that mainly the same states received home and business loans due to hurricane Sandy, held true. New York and New Jersey received the greatest amount of loans and value in loans, primarily due to their real estate values being higher than the other states. It is also interesting to note that 14 out of the 24 states, such as Florida, affected by Hurricane Sandy were not even included in the dataset. It could be due to the fact that they were less affected than these 10, people in those states chose not to take disaster loans, or the dataset is simply incomplete among other possible reasons.