

## 1.6 Canvass Inspection Violations

- [1.6.1. Violation Code Monthly Hit Rates](#)
- [1.6.2. Before and After Model Deployment](#)
- [1.6.3. Number of Inspections per Month by Inspector Cluster](#)

Code hiding script from [Damian Kao](http://blog.nextgenetics.net/?e=102) (<http://blog.nextgenetics.net/?e=102>).

Out[1]: Code hidden for easier reading: [toggle on/off](#).

## Load Data

```
Read 50462 records.  
Kept 47639 records.
```

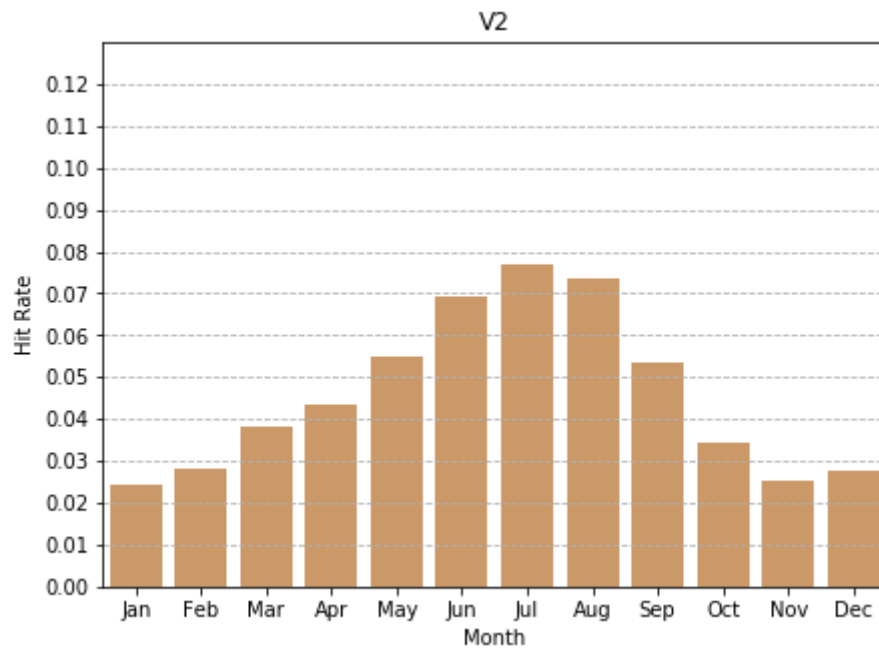
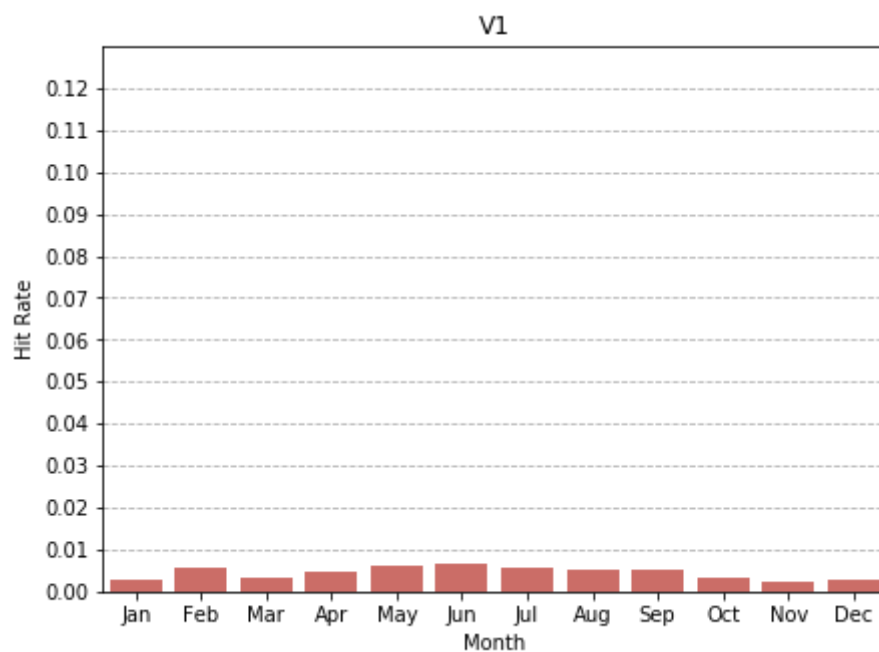
```
Date Range: 2010-01-04 to 2017-12-29
```

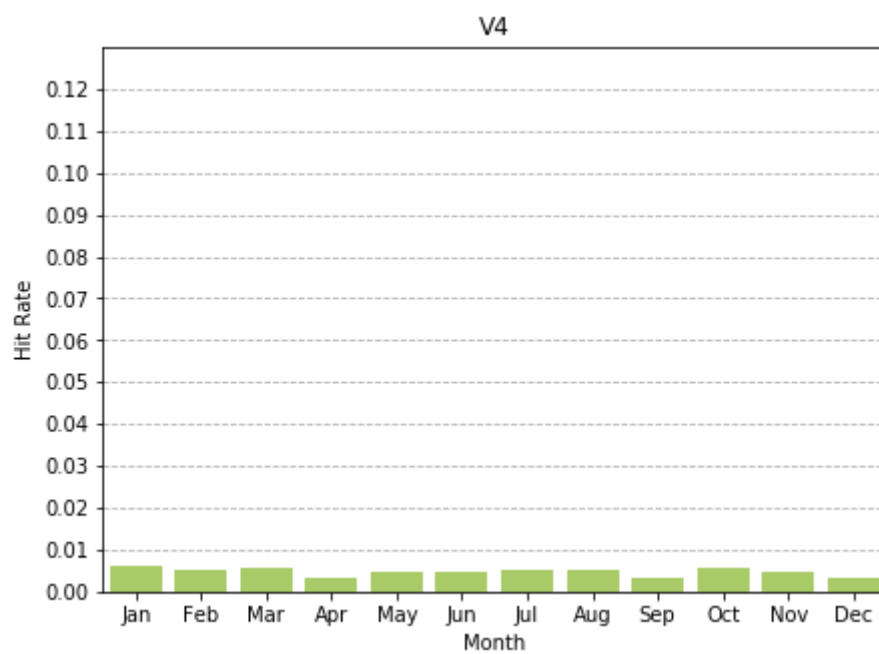
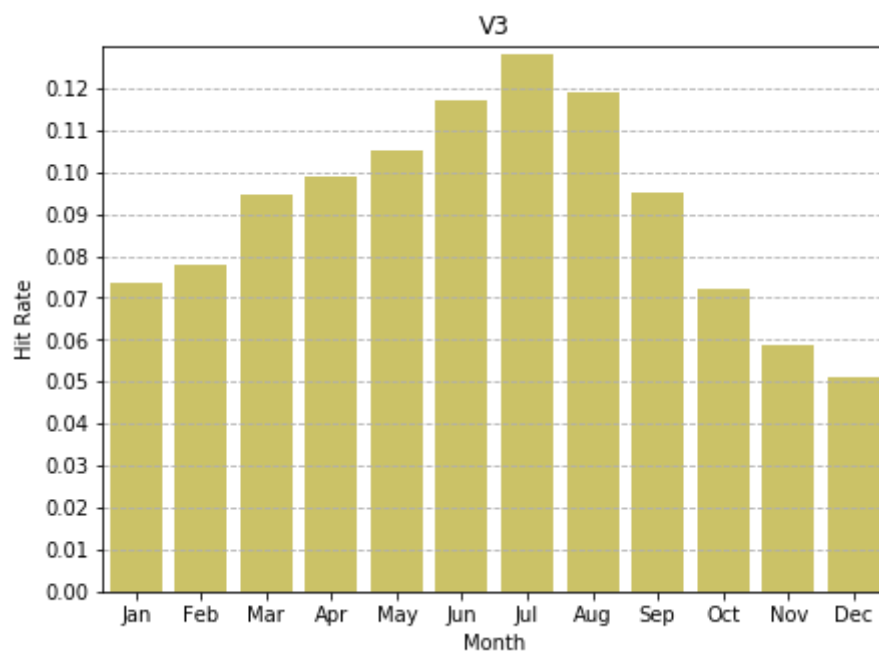
Out[6]:

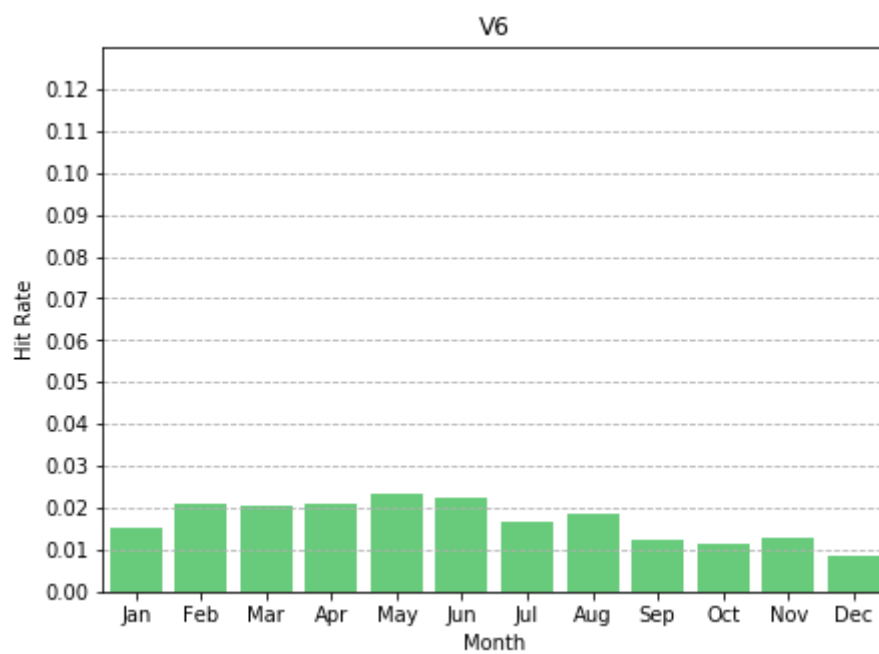
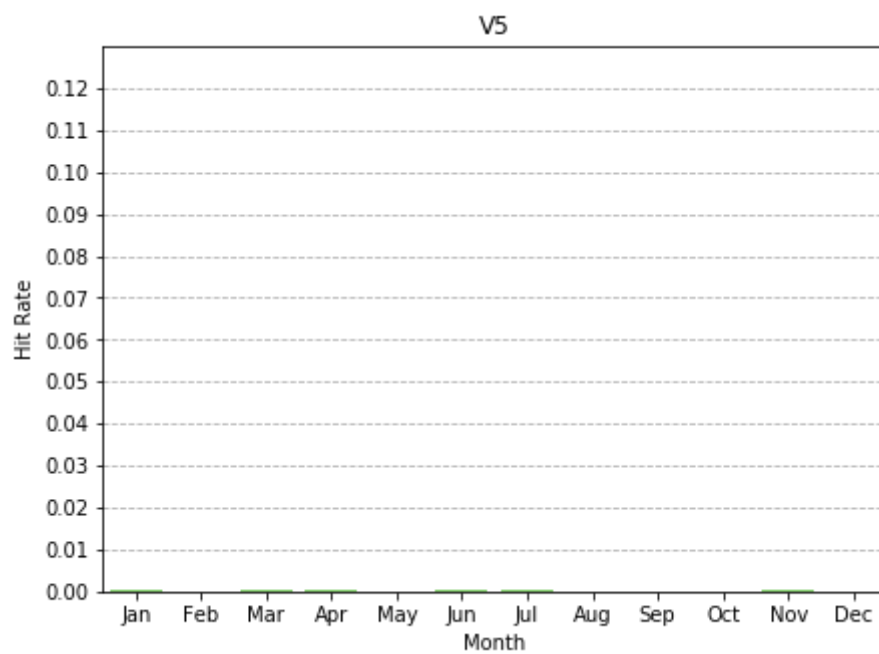
	Code	Count	Rate	Rank
2	V3	4418	0.093	1
1	V2	2233	0.047	2
7	V8	1239	0.026	3
11	V12	1012	0.021	4
10	V11	895	0.019	5
5	V6	826	0.017	6
8	V9	307	0.006	7
9	V10	233	0.005	8
3	V4	227	0.005	9
0	V1	219	0.005	10
12	V13	90	0.002	11
6	V7	52	0.001	12
13	V14	37	0.001	13
4	V5	8	0.000	14

The maximum monthly rate is 0.128.

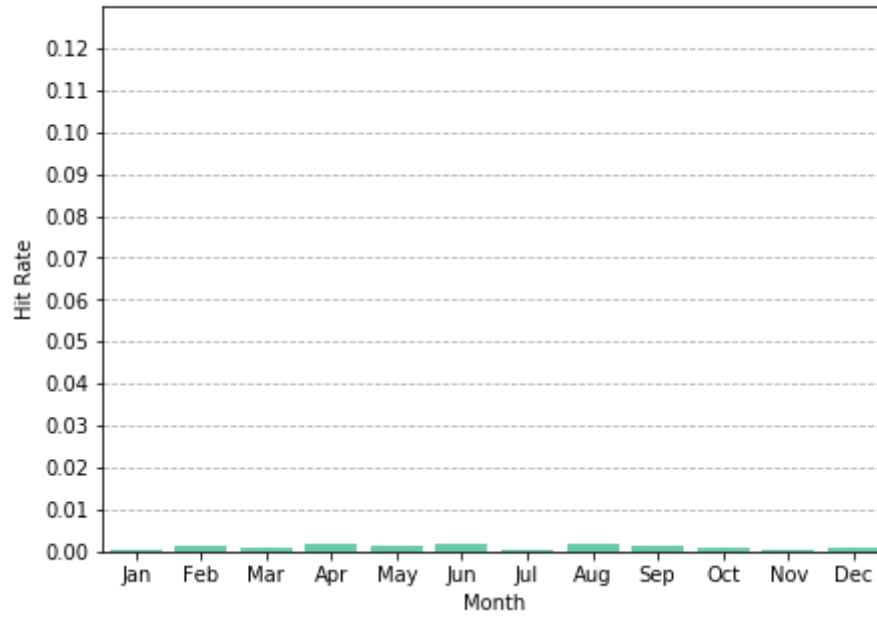
**Violation Code Monthly Hit Rates**



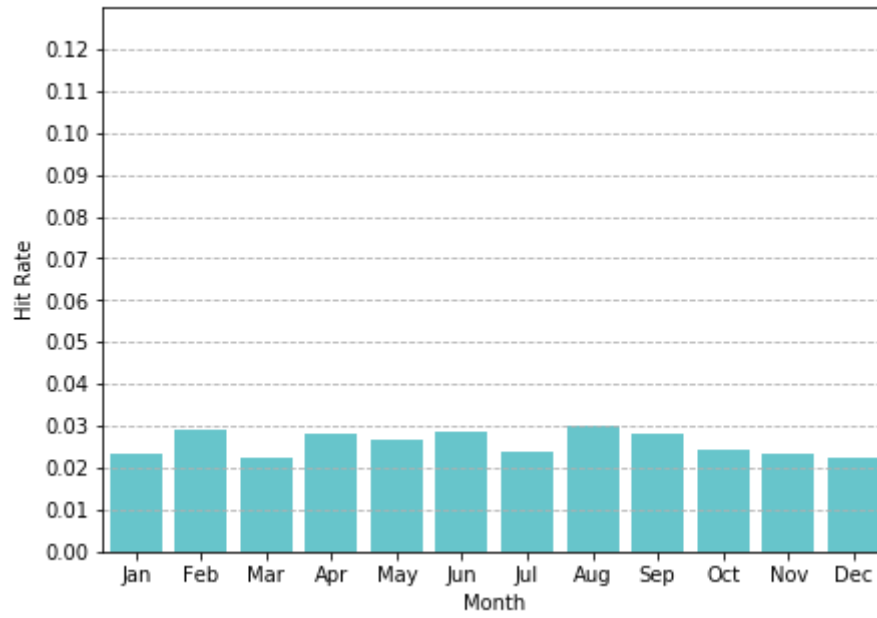


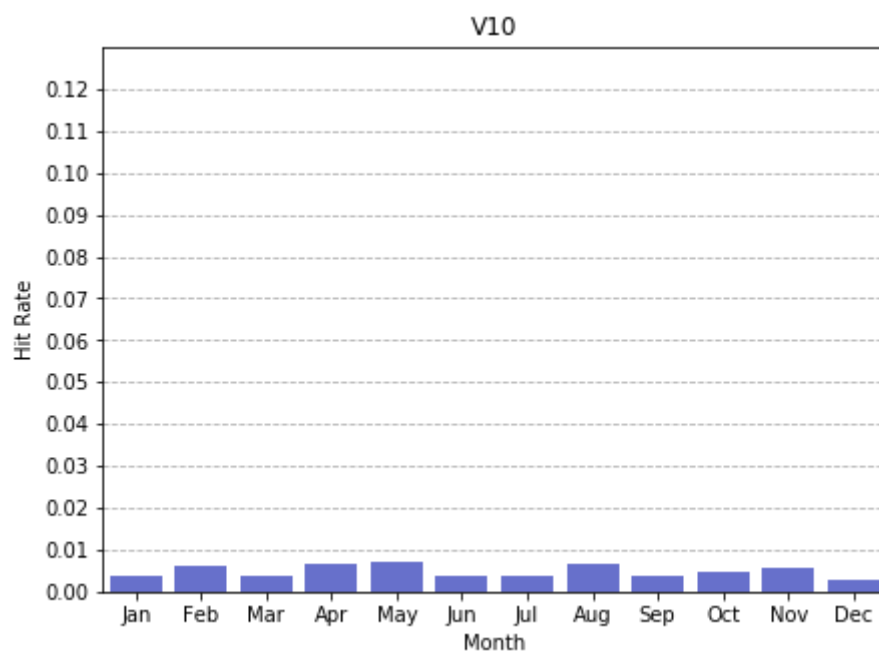
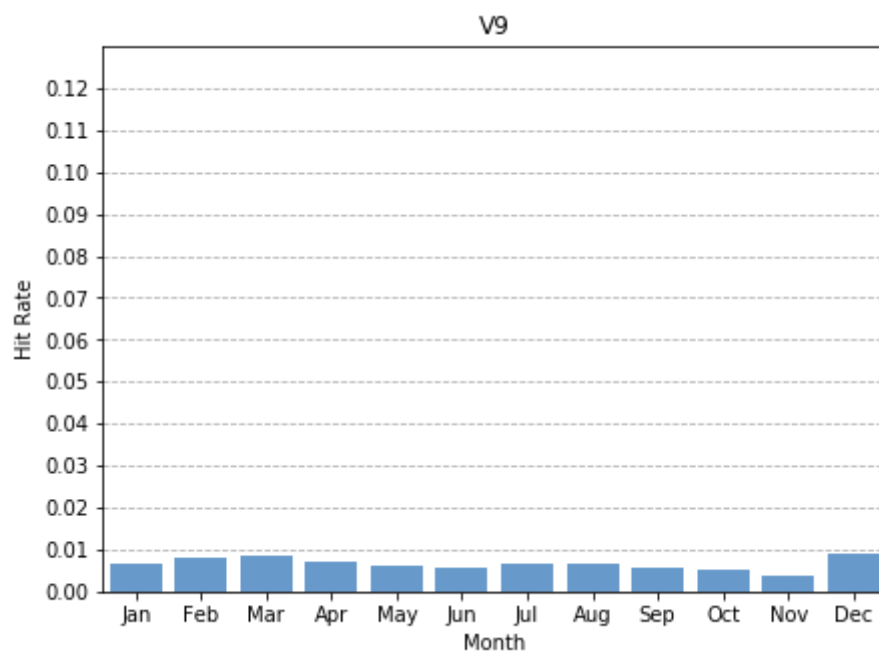


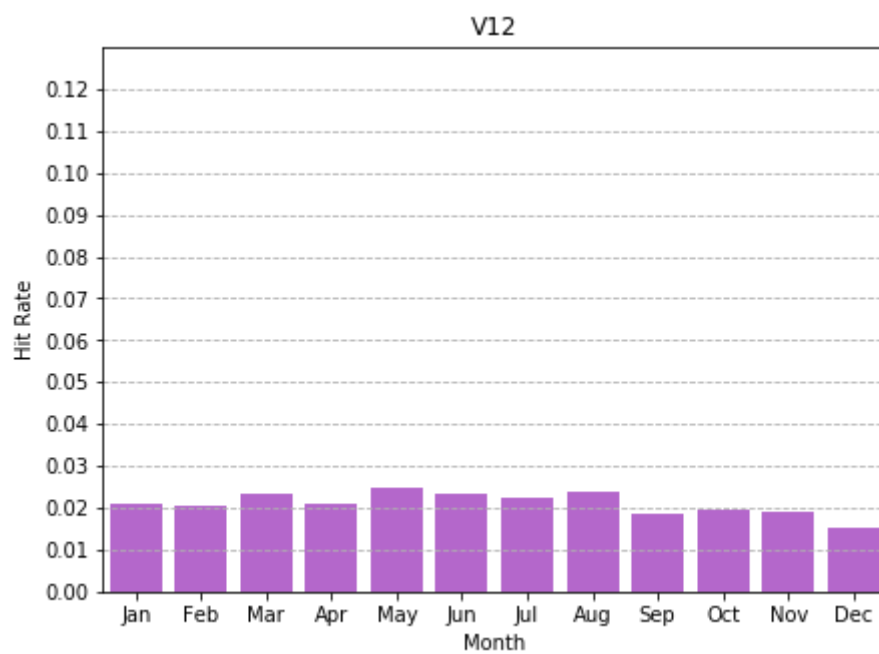
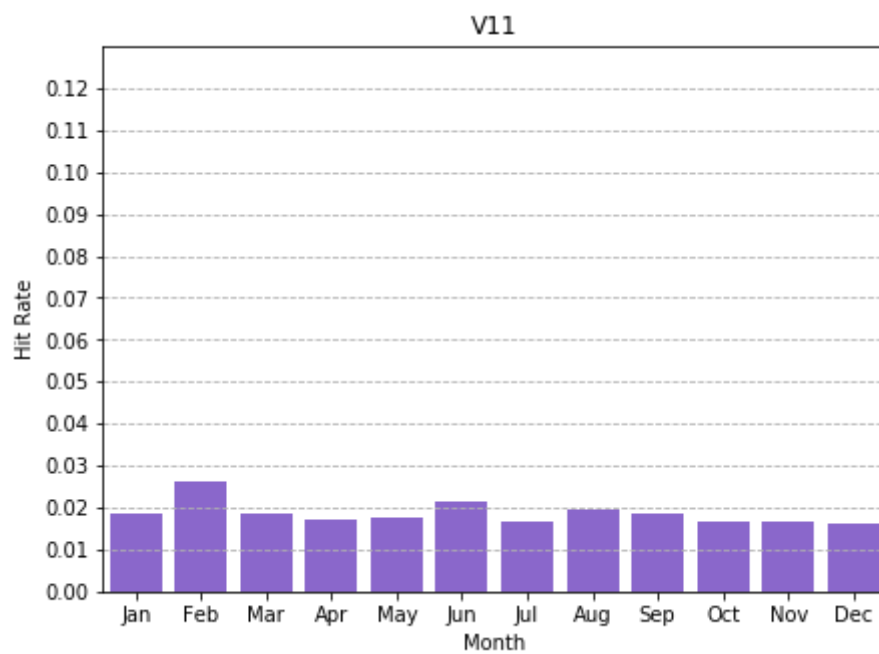
V7



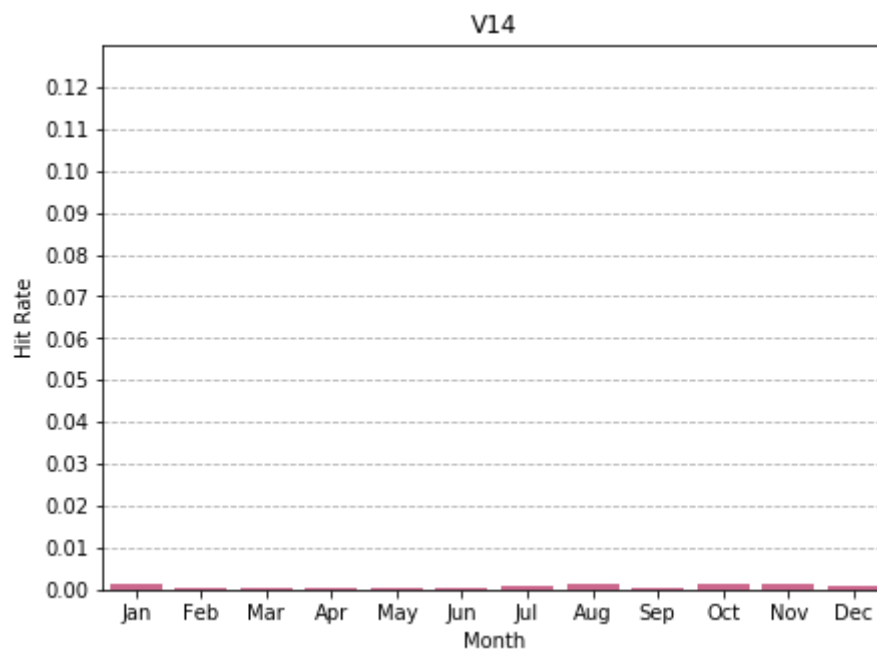
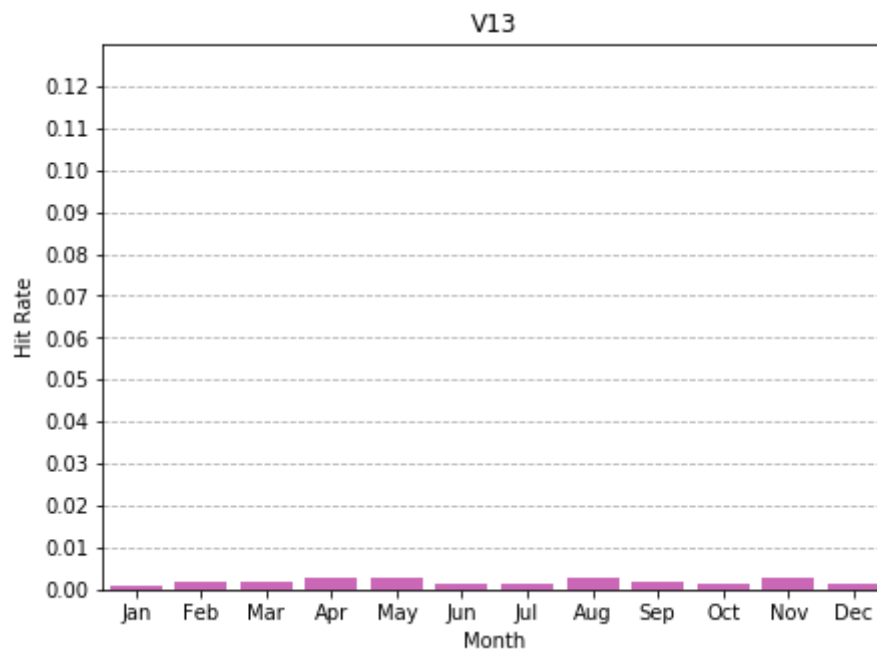
V8









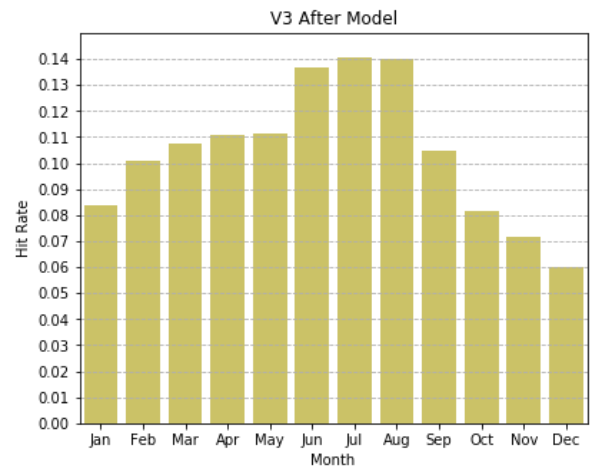
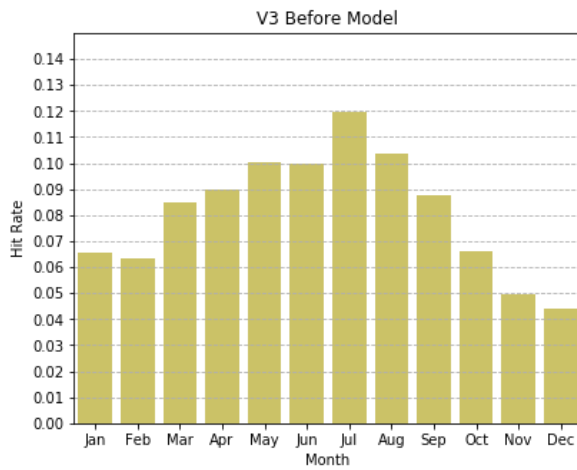
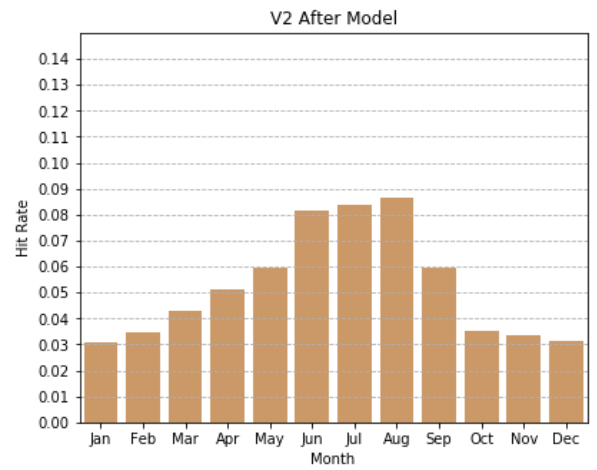
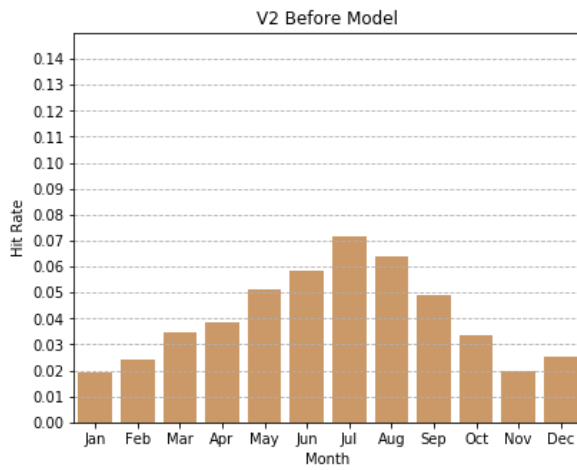
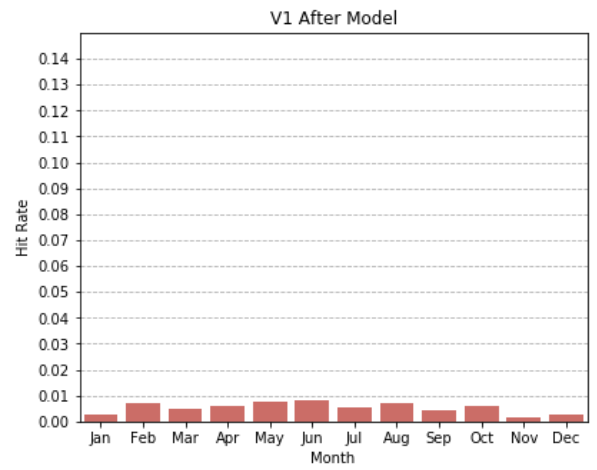
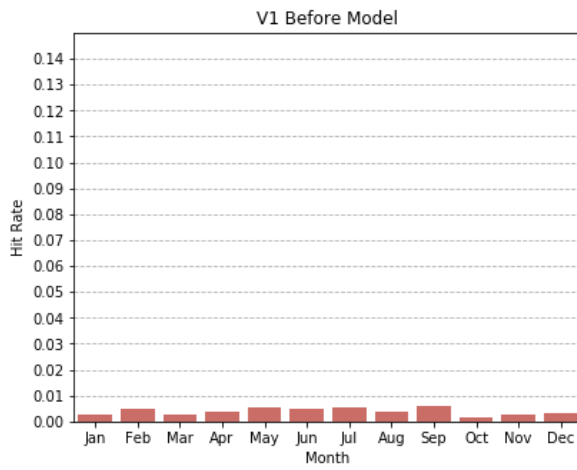


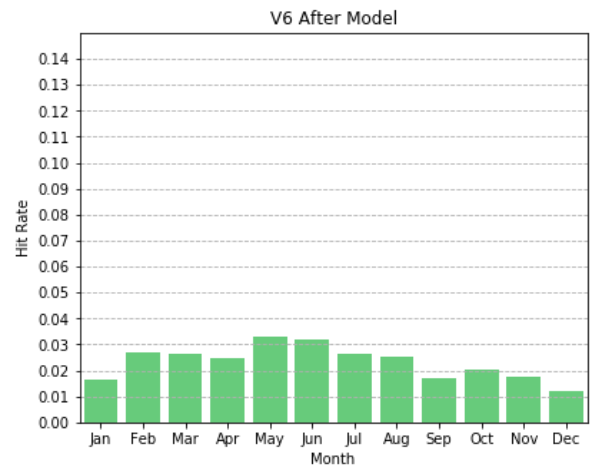
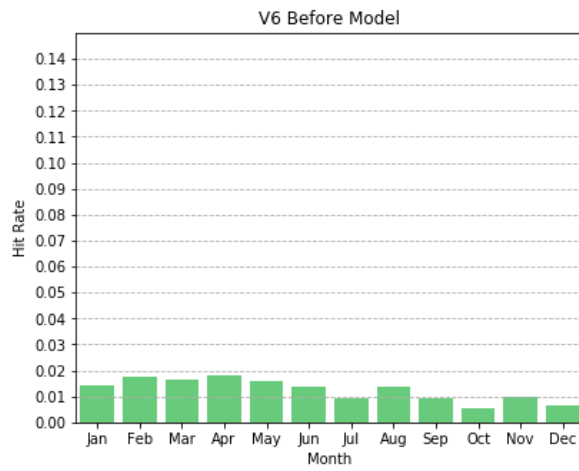
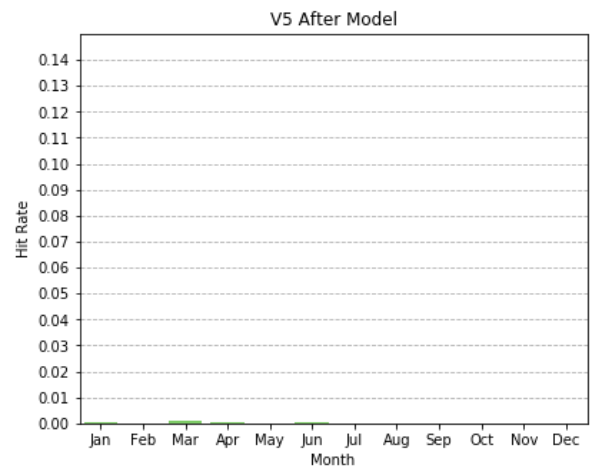
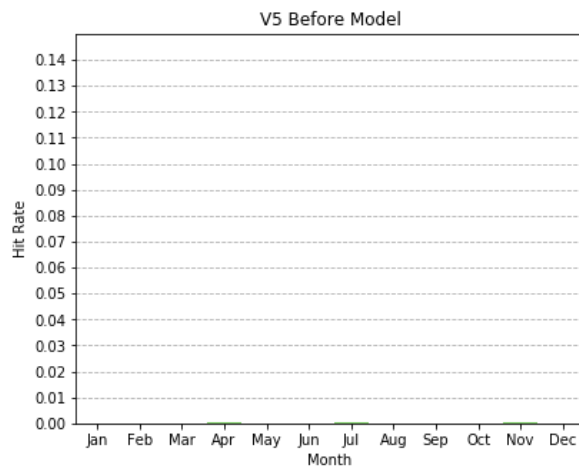
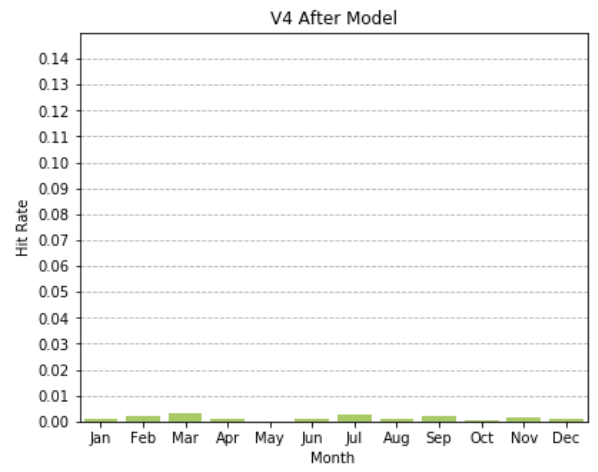
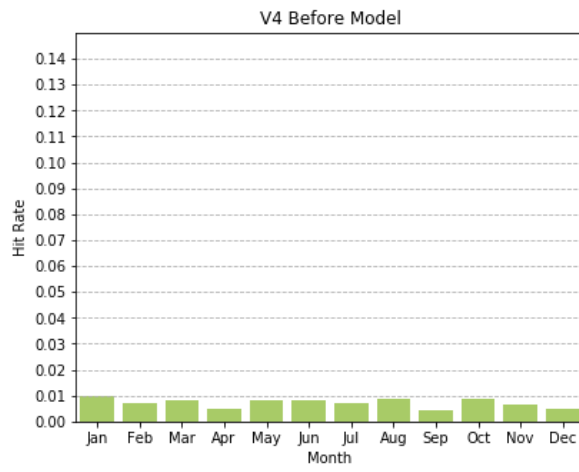
## Before and After Model Deployment

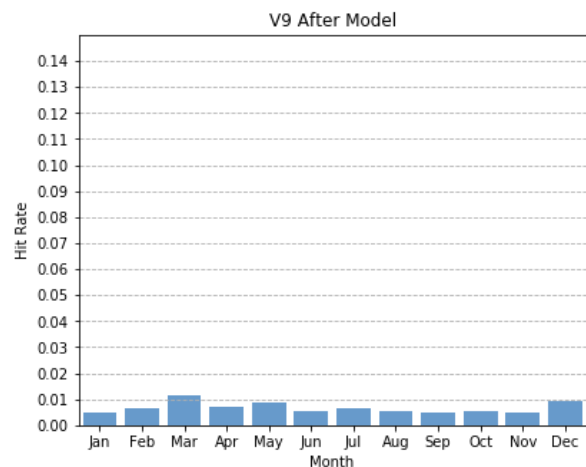
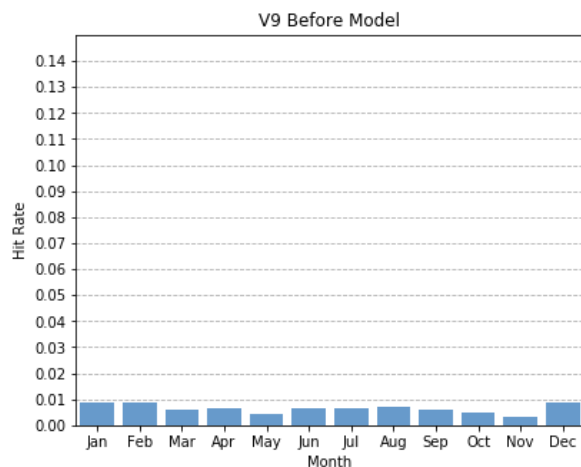
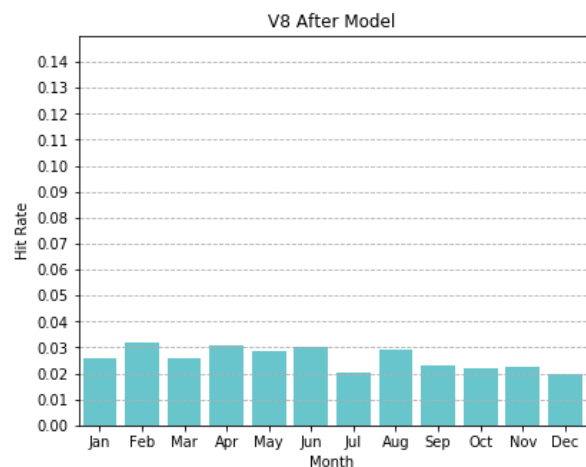
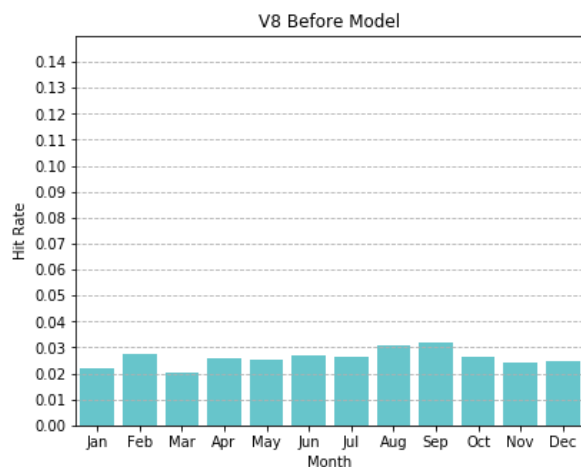
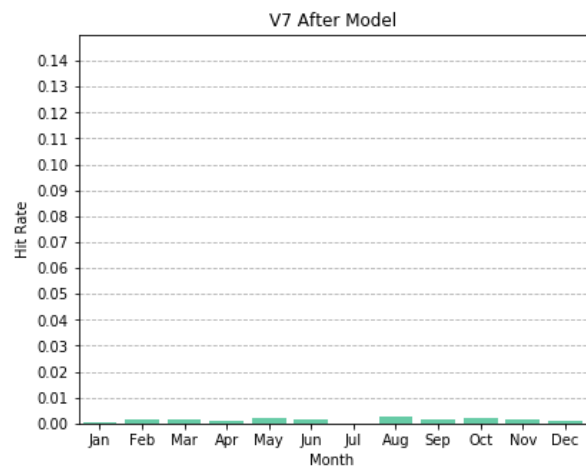
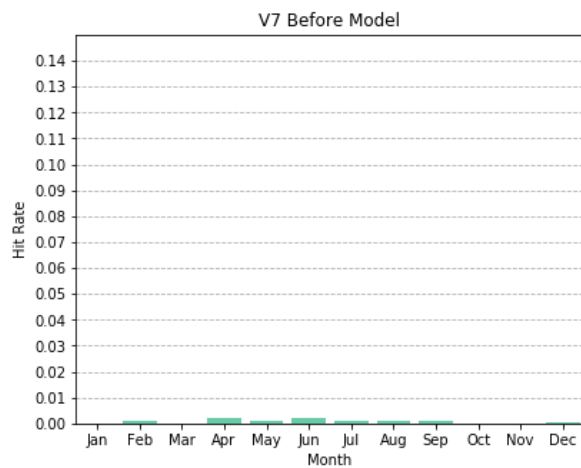
Found 27277 records before model deployment.

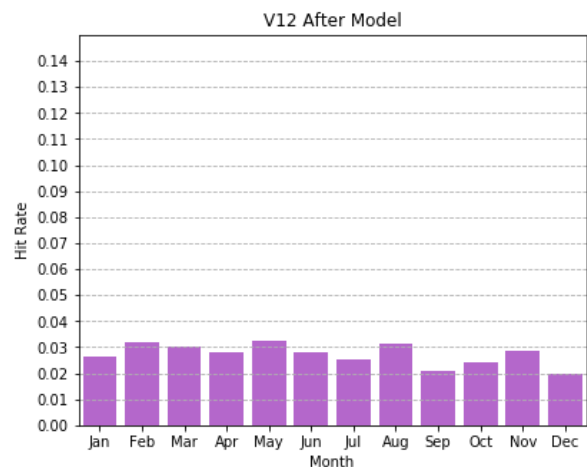
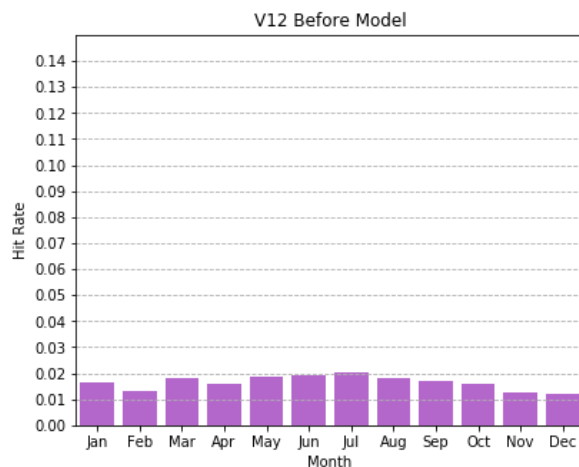
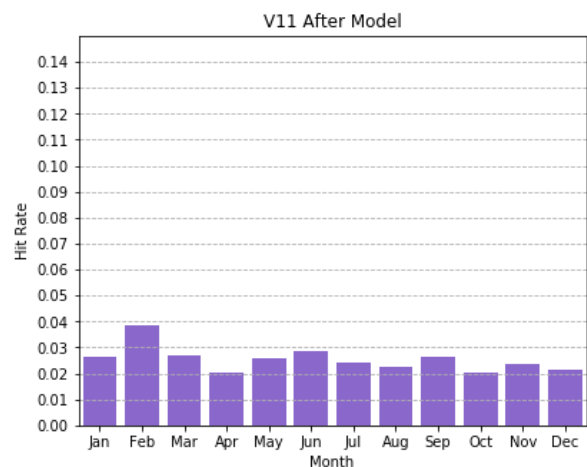
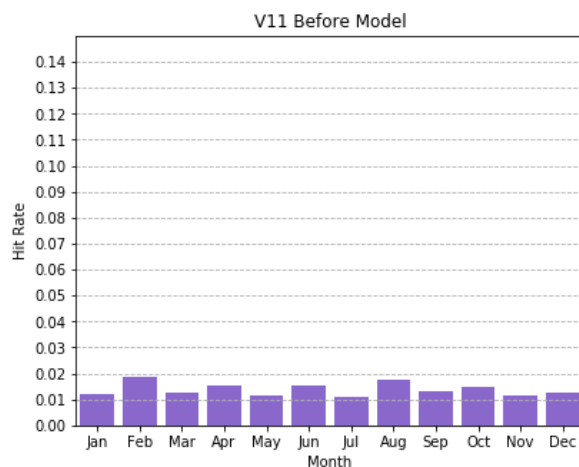
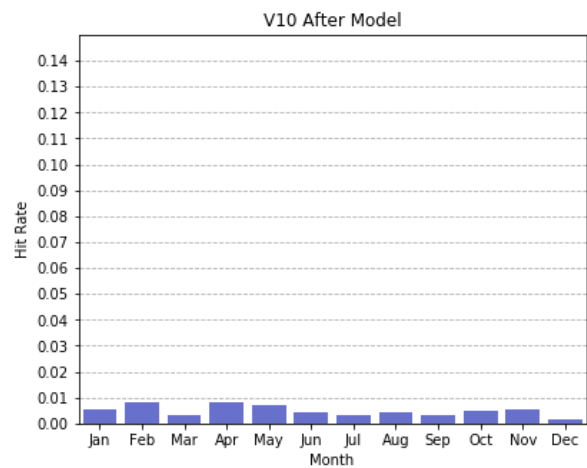
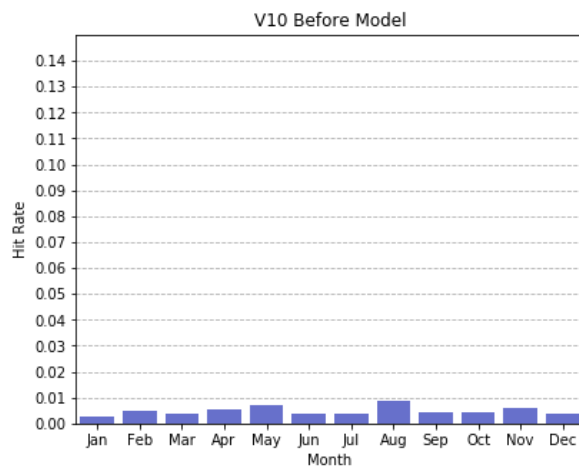
Found 20362 records after model deployment.

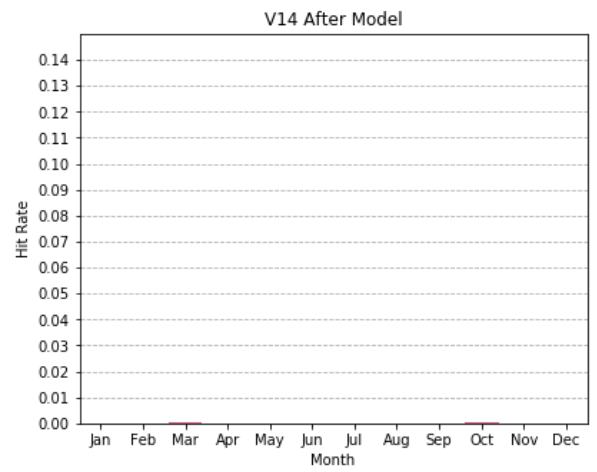
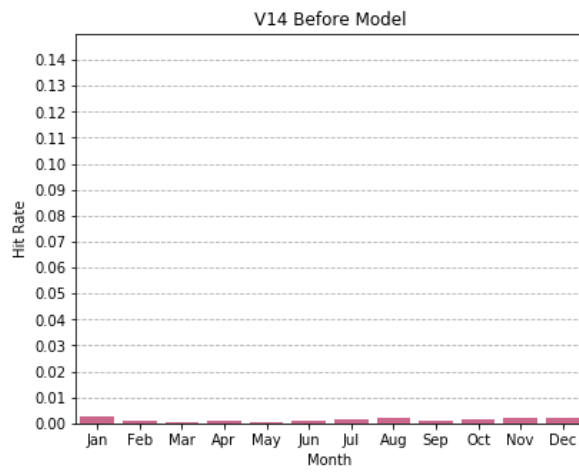
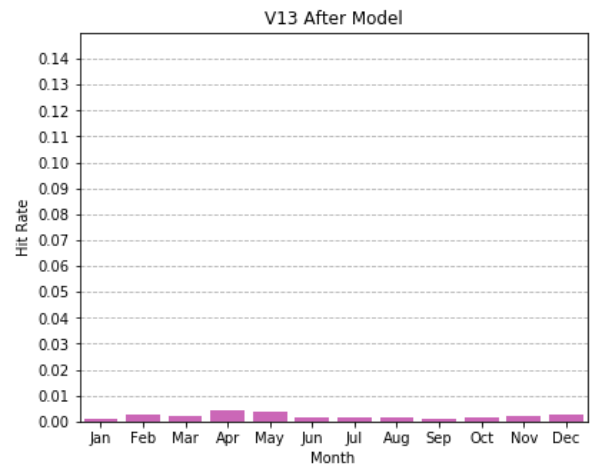
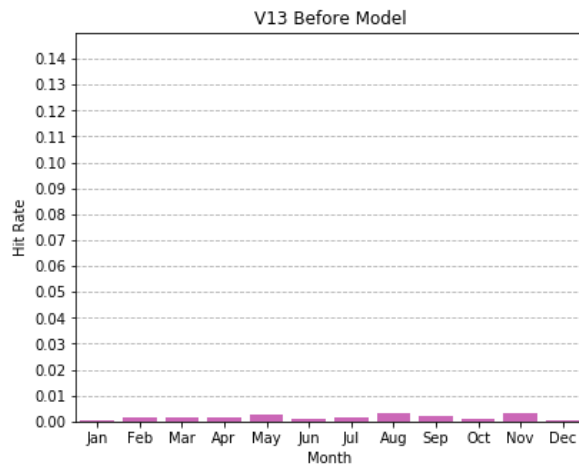
The maximum monthly rate is 0.140.











## Number of Inspections per Month by Inspector Cluster

Read 17075 records.

