Cleaning outliers/dust

Course_over_ground = 999

8236743231	29564	2014-10-30 11:42:25.000000	170.789.567	-45.247.216	999	103	370053844

Speed_gps_kph = 999

8235832303	25347	2014-10-30 08:49:39.000000	170.795.254	-45.250.447	153	999	370053844
8236263484	11237	2014-10-30 10:09:48.000000	17.079.663	-45.255.164	169	999	370053844
8236664269	3763	2014-10-30 11:27:06.000000	170.794.591	-45.249.733	145	999	370053844
8236747777	39033	2014-10-30 11:43:12.000000	170.796.995	-45.256.788	169	999	370156551

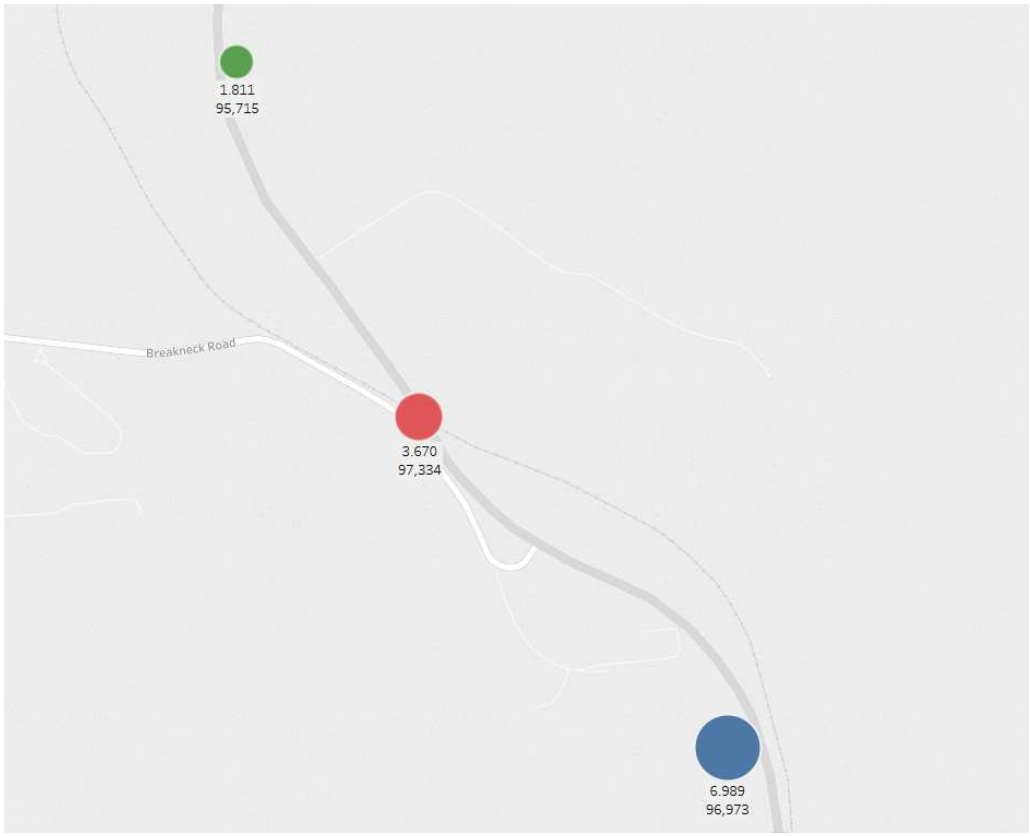
Questions

Which drivers should she be most concerned about in regards to speeding? Think about the number of events and the average speed reached.

Road-Segment 370248900
Avg. speed_gps_kph 95,714522363
Number of Records 1.811

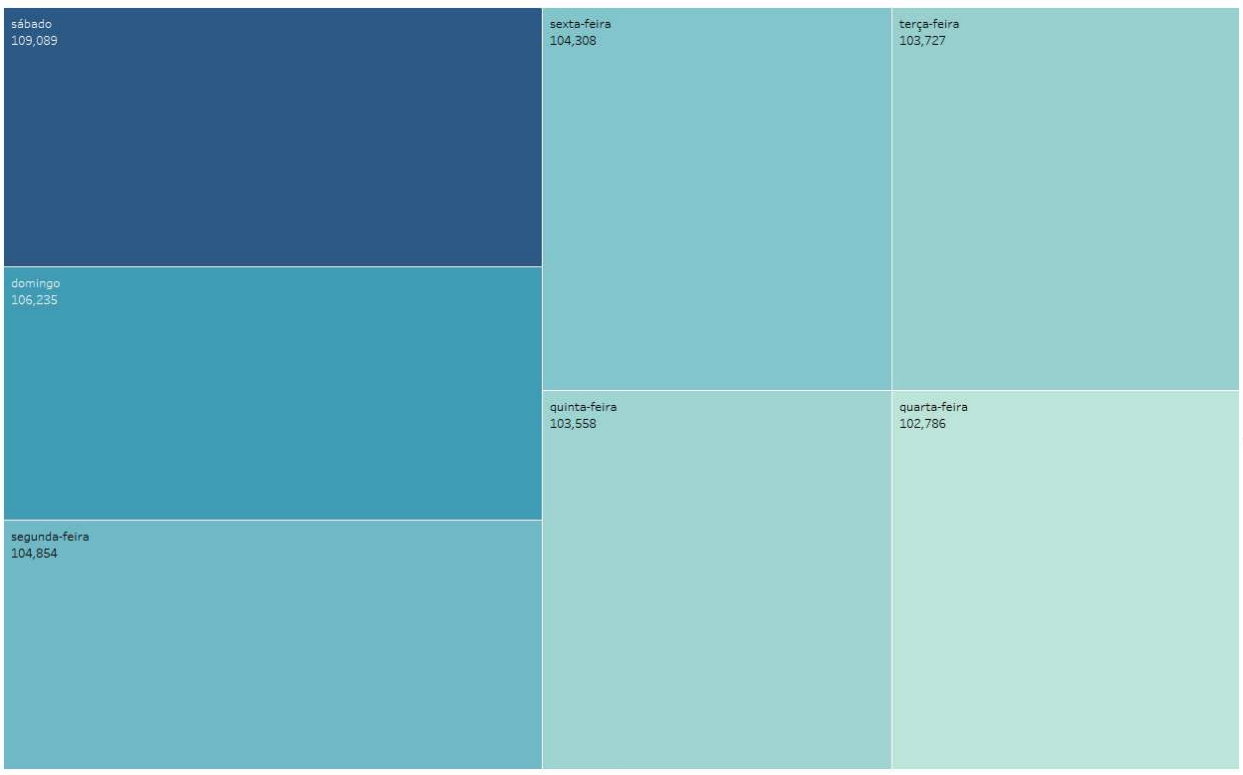
Road-Segment 370161648
Avg. speed_gps_kph 97,333787466
Number of Records 3.670

Road-Segment 370053844
Avg. speed_gps_kph 96,973100587
Number of Records 6.989



Are there times or days where speeding is worse?

On Saturday and Sunday we have above average speed and allowed between 106kph and 109kph.

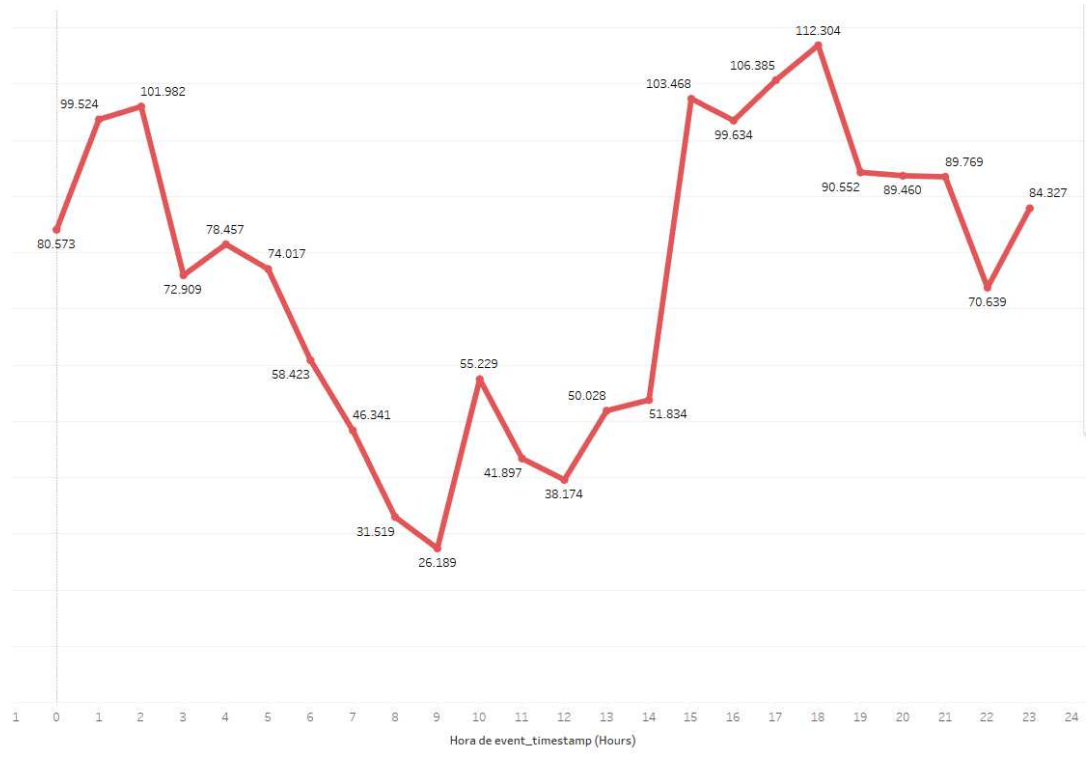


Do vehicle drive faster going Northbound or Southbound?

From north to south the average speed increases from 96.36kph to 96.97kph.

Does speeding improve/worsen over time?

Between 7am and 2pm we have retention for acceleration.



Which vehicles have the highest average speed through the Virtual Speed Camera?
Below we have the machine_id and the average speed.

machine_id	
4987	255,00
8474	255,00
8476	255,00
11349	130,60
13694	255,00
35087	136,33
38052	127,80
41025	126,67

Any other insights you obtain from the data….
a) Weekly traffic flow influences the speed at these hourly intervals:
- 4am until 10am
- 1pm until 3pm

b) And using font data from metservice
Most records when the weather is quite cold, visibility 20km and speed between 76 and 100kph