False drops

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1   Analysis on data

1.1   Analysis on observations with C.U.R.P.S

Out of all the data, there are 29848 cases on the data base. Of this observations only 2118 are false drops. Overall, 6754 observations have a worker that presented himself more than once in the conciliaiton center.

Figure 1: Distribution of the number of times a person went to the conciliation center
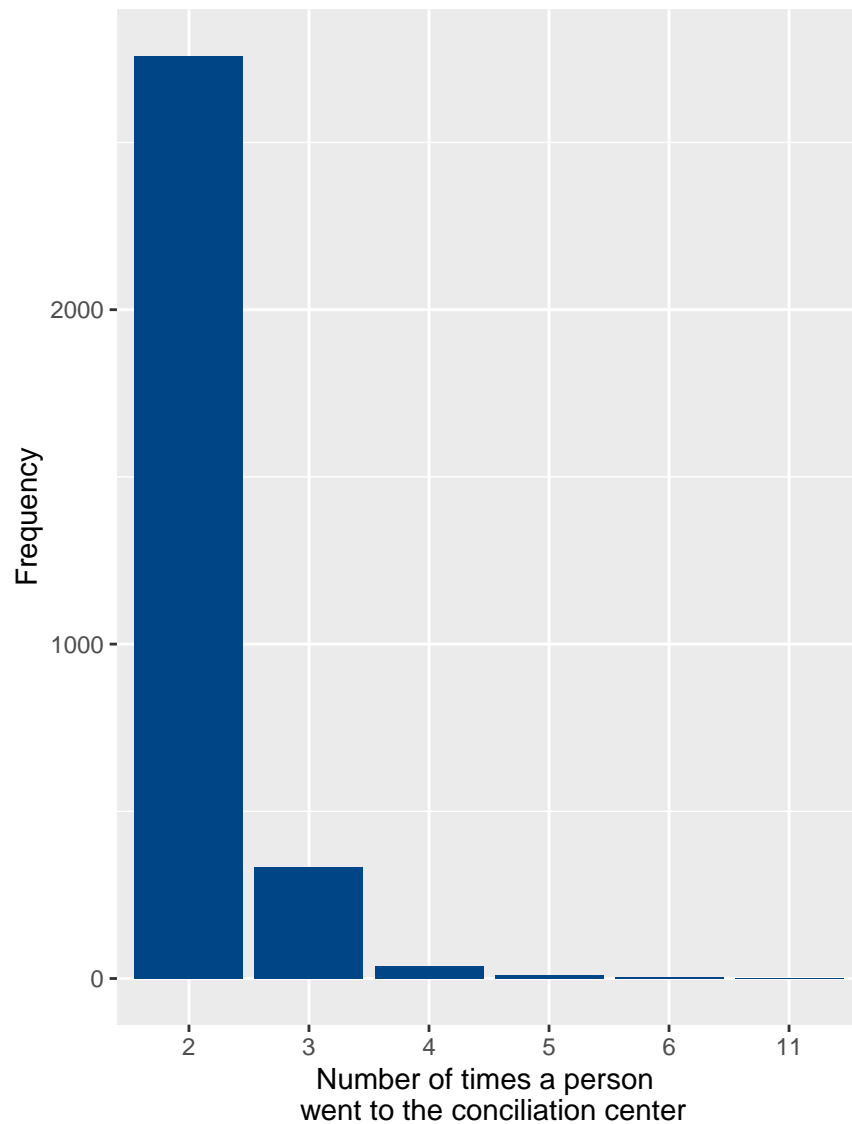

1.2 Identifying false drops

Once the cases in which the same worker attended the conciliation center have been identified, it is necessary to make a separation to determine whether they are genuinely new cases or simple simulations. For this purpose, the following methodology is used.

1.3 Proximity to the day of the hearing

There are some issues with this type of specification:

- You may have cases of genuine drops, of true data entry errors.

Figure 2: Distribution of the number of days that passed between the first hearing and the request of a next hearing
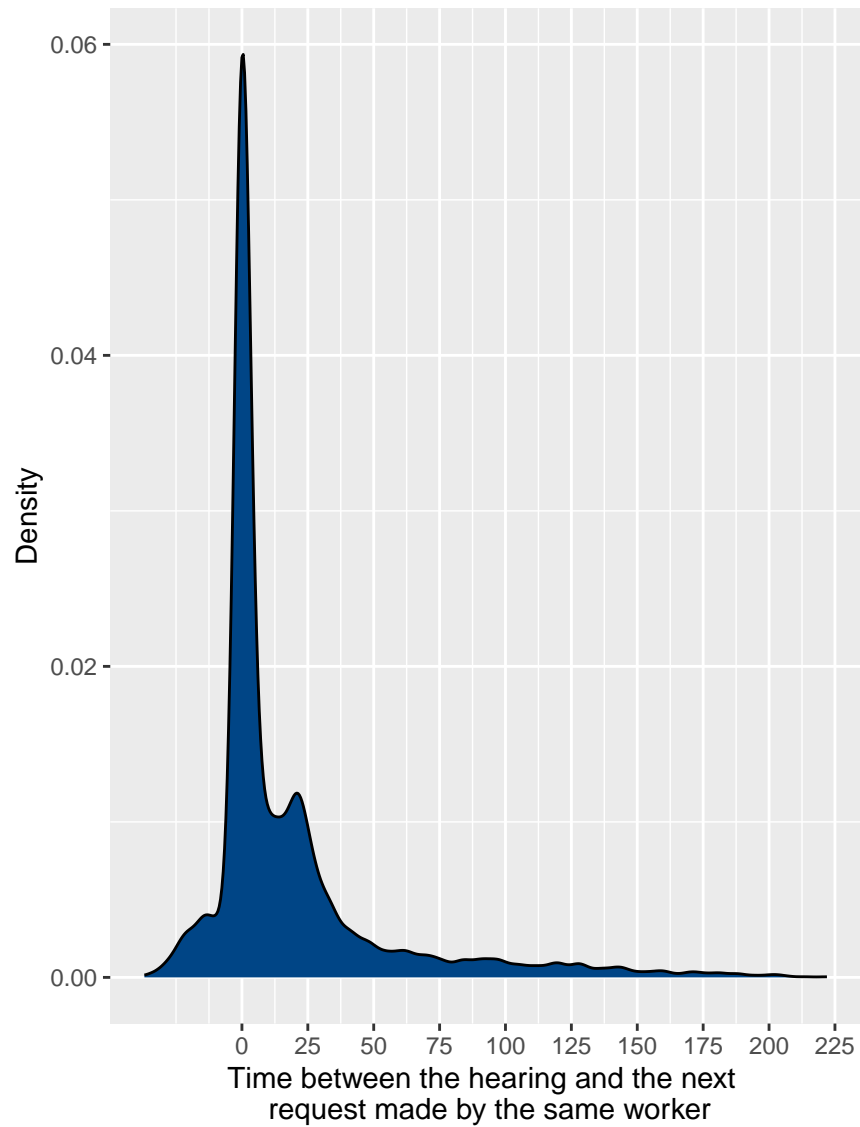
While it may seem counterintuitive to have negative values for a date difference, this may be due to an error in the initial request, and the worker tries to correct it by making a second request before the first hearing takes place. These cases are not the type of false drops we are interested in, as they do not represent a 'malicious' use of the archiving feature.

1.3.1 Twenty five day distance

Out of the main bulk of the sample, only 2118 requests were entered on the time lapse specified. The following figures represent these 2118 observations.

Table 1

Statistic	N	Mean	St. Dev.	Min	Max
genero	2,118	0.430	0.495	0	1
edad	2,118	3.853	1.215	1.700	8.000
despido	2,118	0.883	0.321	0	1
horas_semanales	2,118	5.159	1.256	0.700	9.500
sal_diario	2,118	4.142	3.448	0.002	28.868
antig	2,118	0.604	0.914	0.001	5.584

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Figure 3: False drop heterogeneity
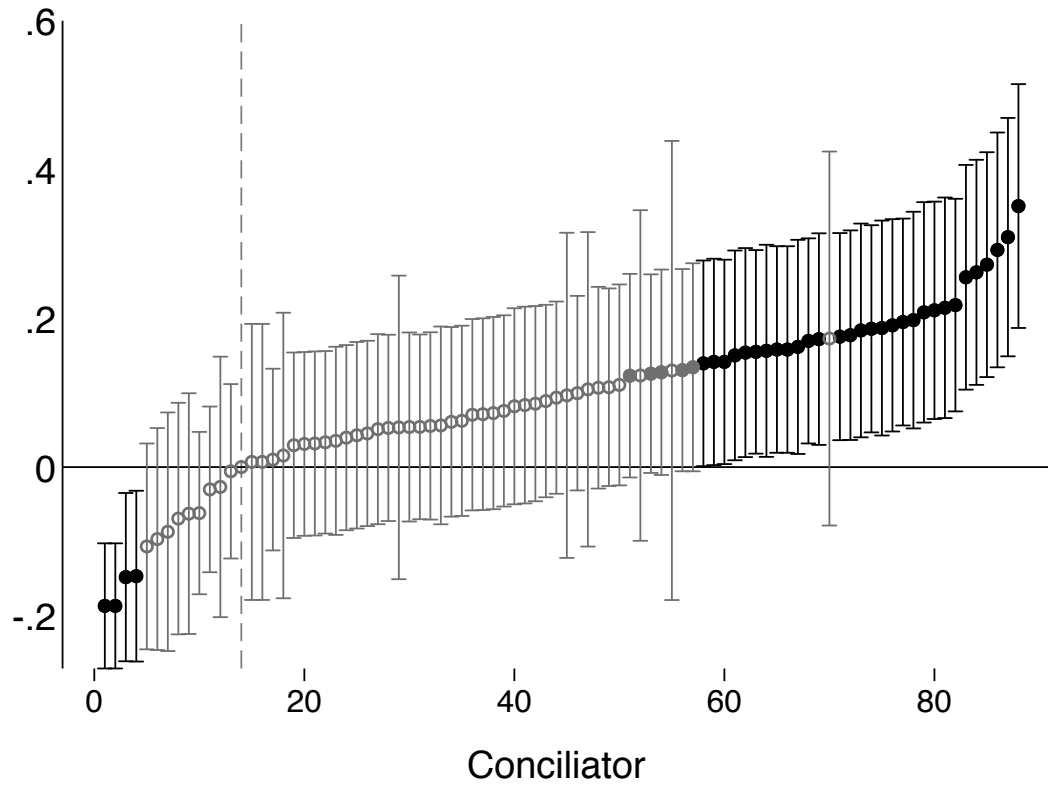
Table 2: Effect of request characteristics on false drop

| Dependent Variable: | False drop 25 |
Model:	(1)
Variables	
Gender	-0.005
	(0.003)
Age 10	0.004**
	(0.002)
Disissal	-0.006
	(0.005)
Weekly Hours 10	0.003**
	(0.002)
Wage 100	-0.001***
	(0.000)
Tenure 5	-0.011***
	(0.002)
N. of summoned	-0.005***
	(0.001)
Constant	0.082***
	(0.011)
Fit statistics	
Dependent variable mean	0.08228
Observations	25,740

Normal standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 3: Effect of false drop on next claim characteristics

| Dependent Variables: | N. of summoned | N. that appeared | Diff. Sum. A. |
Model:	(1)	(2)	(3)
Variables			
False drop 25	0.107***	-0.225***	0.333***
	(0.033)	(0.020)	(0.031)
Constant	1.765***	0.986***	0.779***
	(0.009)	(0.006)	(0.009)
Fit statistics			
Dependent variable mean	1.7735	0.96748	0.80602
Observations	25,740	25,740	25,740

Normal standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 4: Effect of false drop on next claim outcomes

Dependent Variables:	Conciliation	No conciliation	N. of hearings	Drop
Model:	(1)	(2)	(3)	(4)
Variables				
False drop 25	-0.173***	-0.032***	-0.224***	0.207***
	(0.011)	(0.011)	(0.015)	(0.004)
Constant	0.566***	0.412***	1.704***	0.019***
	(0.003)	(0.003)	(0.004)	(0.001)
Fit statistics				
Dependent variable mean	0.55155	0.40940	1.6853	0.03621
Observations	25,740	25,740	25,740	25,740

Normal standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 5: Effect of notification characteristics on false drop

Dependent Variable:	Total process time
Model:	(1)
Variables	
False drop 25	27.873***
	(0.532)
Constant	13.500***
	(0.144)
Fit statistics	
Dependent variable mean	15.551
Observations	22,131

Normal standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*

Table 6: Effect of notification characteristics on false drop

Dependent Variable:	False drop 25	
Model:	(1)	(2)
Variables		
Employer did show up	-0.839***	
	(0.004)	
Worker		0.010
		(0.007)
Notifier		0.046***
		(0.007)
Joint summons		0.053***
		(0.010)
Constant	0.859***	0.052***
	(0.004)	(0.007)
Fit statistics		
Dependent variable mean	0.08228	0.08228
Observations	25,740	25,740

Normal standard-errors in parentheses
*Signif. Codes: ***: 0.01, **: 0.05, *: 0.1*