Argentina Covid Report

Chris Andino

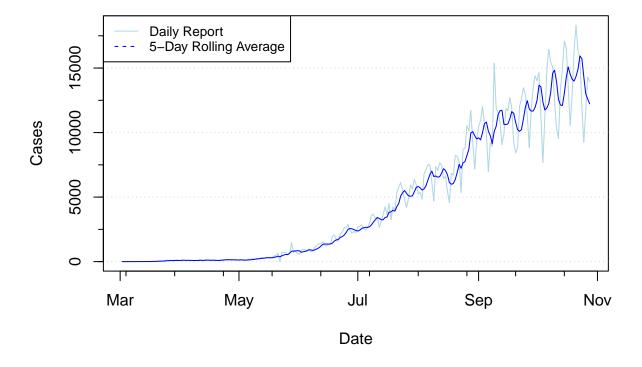
October 14 2020

Data as of 10:40 am 26-OCT-2020

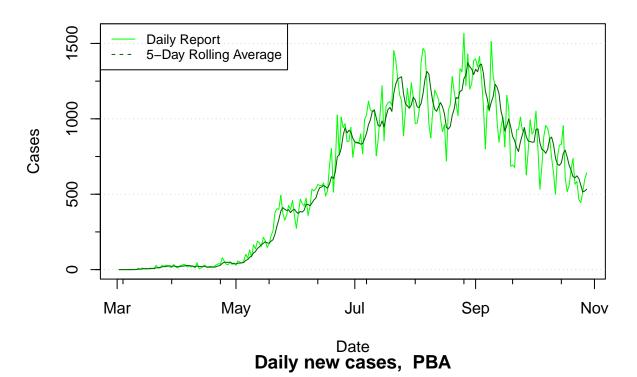
New Cases

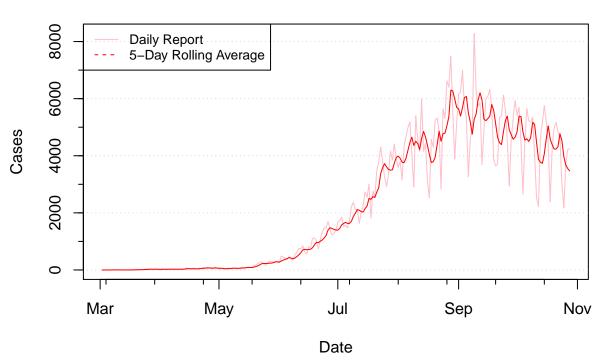
The following graphs show the overall epidemiological curves in the localities based on simple "new cases per day" as reported. Note that date of case report DOES NOT equal date of first symptoms or diagnosis, necessarily. Rather, this data is the change in cases from the previous day's report:

Daily new cases, Argentina

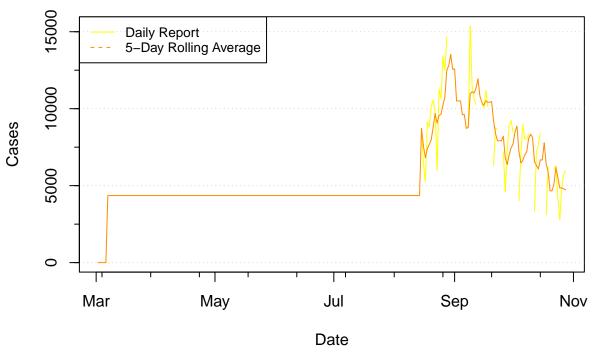


Daily new cases, CABA





Daily new cases, AMBA



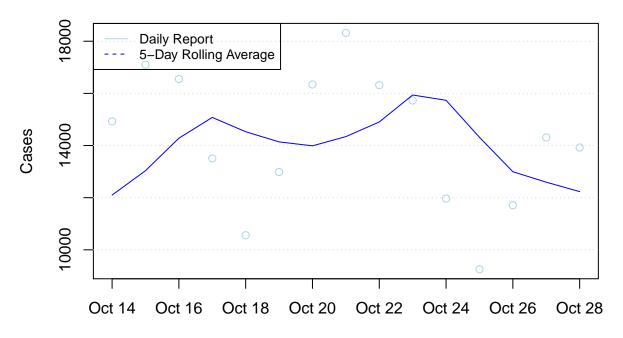
##		Date Tot	alCasesNationa	l NewCasesNat	tional AvgCase	esNational
##	227	2020-10-14	93195	9	14929	12099
##	228	2020-10-15	94905	8	17099	13035
##	229	2020-10-16	96560	9	16551	14281
##	230	2020-10-17	97911	5	13506	15078
##	231	2020-10-18	98967	4	10559	14529
##	232	2020-10-19	100265	8	12984	14140
##	233	2020-10-20	101899	9	16341	13988
##	234	2020-10-21	103732	.0	18321	14342
##	235	2020-10-22	105363	5	16315	14904
##	236	2020-10-23	106936	4	15729	15938
##	237	2020-10-24	108133	2	11968	15735
##	238	2020-10-25	109058	5	9253	14317
##	239	2020-10-26	110229	7	11712	12995
##	240	2020-10-27	111660	5	14308	12594
##	241	2020-10-28	113052	.8	13923	12233
##		${\tt TotalCasesCABA}$	${\tt NewCasesCABA}$	AvgCasesCABA	TotalCasesPB	A NewCasesPBA
##	227	137059	825	691	480489	9 5173
##	228	137889	830	708	48624	7 5758
##	229	138843	954	771	491449	9 5202
##	230	139451	608	792	495866	6 4417
##	231	139968	517	747	498248	3 2382
##	232	140525	557	693	50245	5 4207
##	233	141190	665	660	507438	3 4983
##	234	141928	738	617	51261	5 5177
##	235	142494	566	609	517469	9 4854
##	236	143079	585	622	522118	3 4649
##	237	143543	464	604	525148	3030
##	238	143988	445	560	527318	3 2170
##	239	144503	515	515	531012	2 3694

##	240	1451	101 598	52:	1 535233	4221
##	241	1457	742 643	1 533	539471	4238
##		${\tt AvgCasesPBA}$	${\tt TotalCasesAMBA}$	${\tt NewCasesAMBA}$	${\tt AvgCasesAMBA}$	
##	227	3735	937051	7663	6087	
##	228	4071	945483	8432	6673	
##	229	4604	NA	NA	6673	
##	230	5043	959149	NA	7782	
##	231	4586	962268	3119	6405	
##	232	4393	968473	6205	5919	
##	233	4238	NA	NA	4662	
##	234	4233	982744	NA	4662	
##	235	4321	988800	6056	5127	
##	236	4774	995099	6299	6187	
##	237	4539	999309	4210	5522	
##	238	3976	1002114	2805	4842	
##	239	3679	1007053	4939	4862	
##	240	3553	1012773	5720	4795	
##	241	3471	1018736	5963	4727	

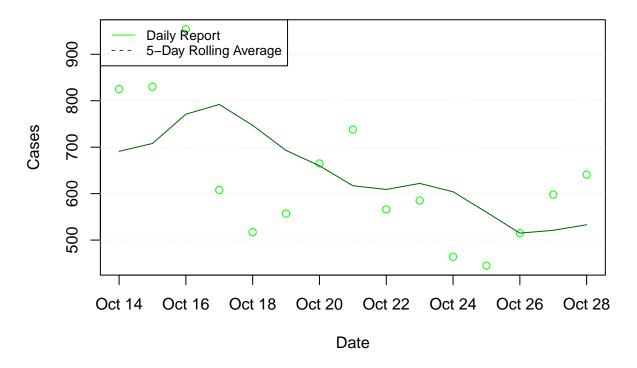
14-day trend

Phase 1: 14-day trend lines

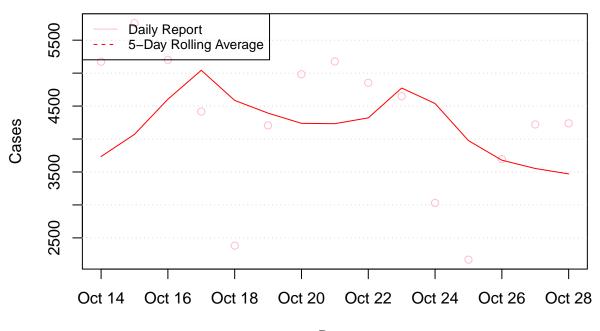
14-day trend, Argentina



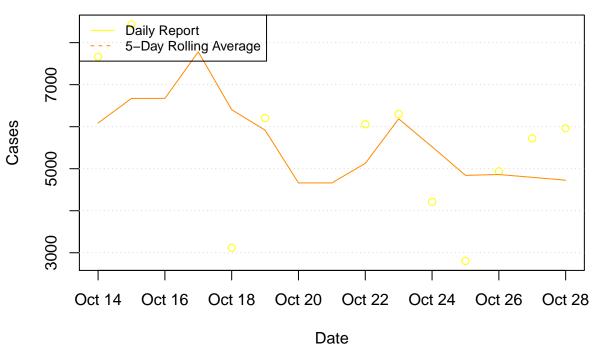
Date 14-day trend, CABA



14-day trend, PBA



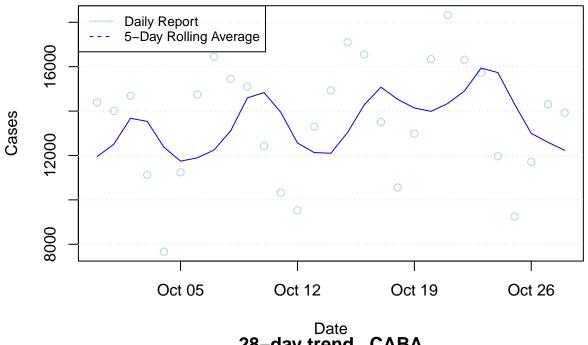
Date 14-day trend, AMBA



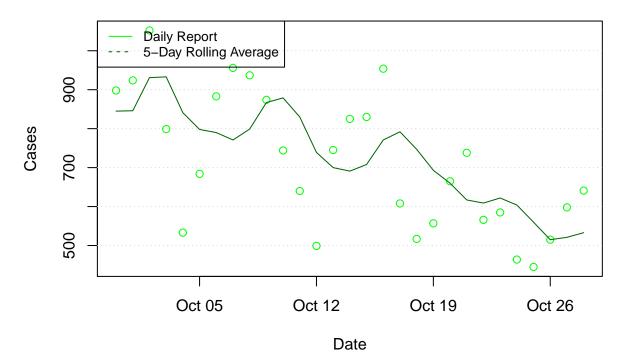
Phase 2 decisions

##

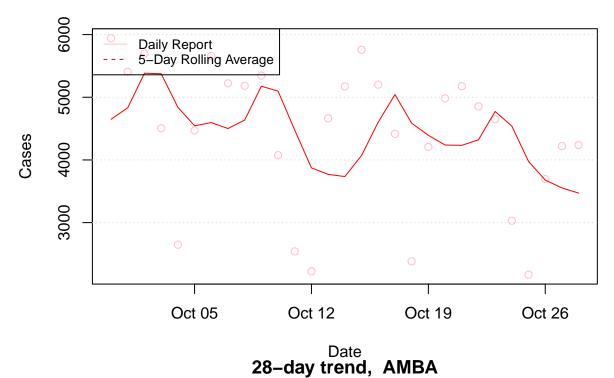
28-day trend, Argentina

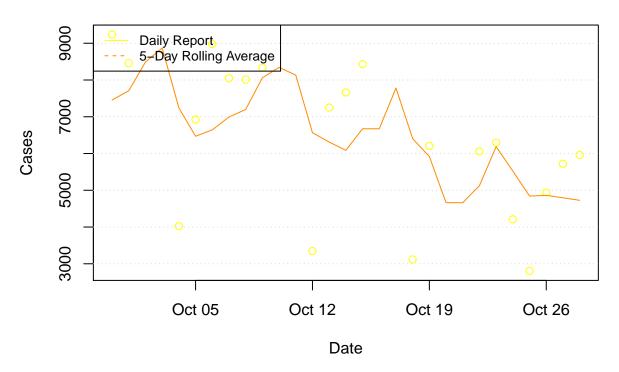






28-day trend, PBA





Log graphs

The following graphs are generated by:

 $x = Number\ of\ Days\ since\ March\ 3$

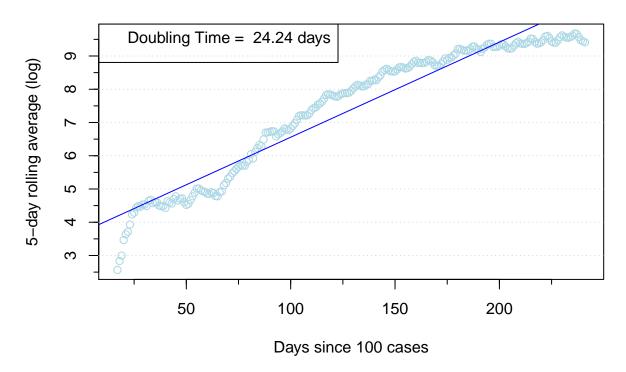
y = log(Number of New Cases this day)

The regression line is drawn using the R "lm()" function over the x values.

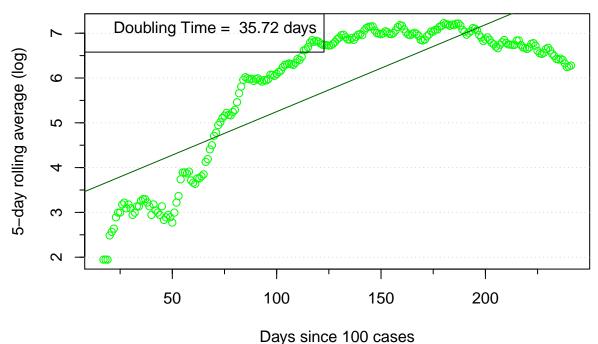
R0 is estimated from the slope of the regression line:

$$y = a + bx$$
$$dt = \log(2)/b$$

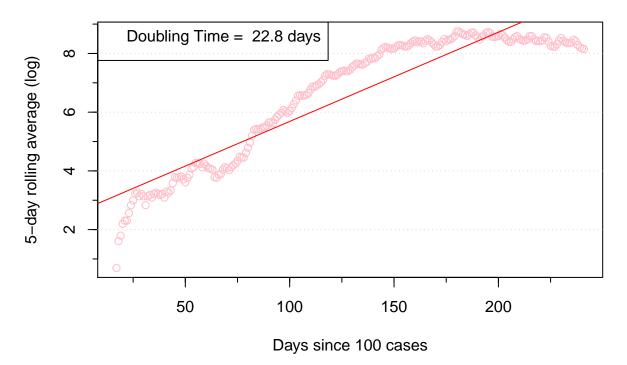
New cases (log scale), Argentina – all dates



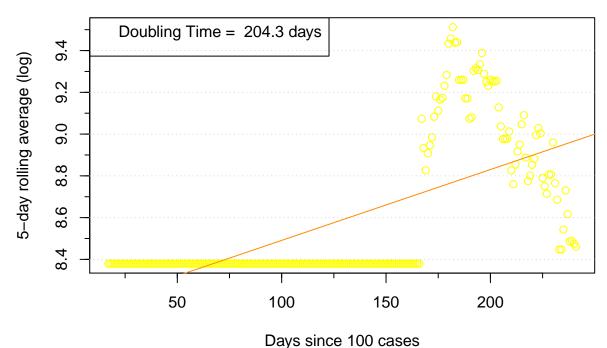
New cases (log scale), CABA - all dates



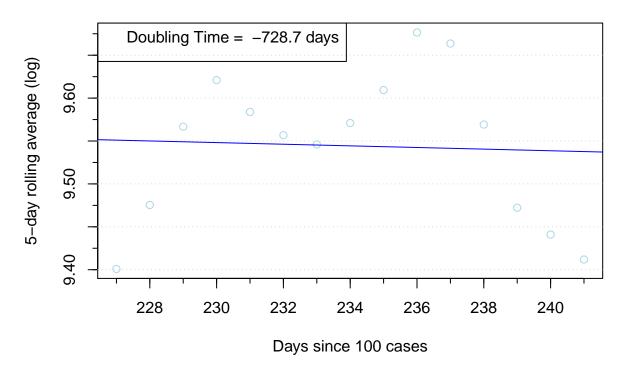
New cases (log scale), PBA – all dates



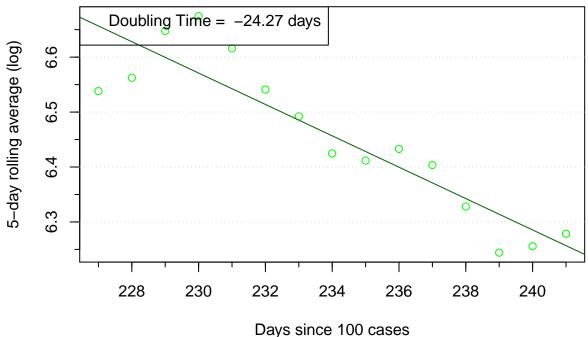
New cases (log scale), AMBA - all dates



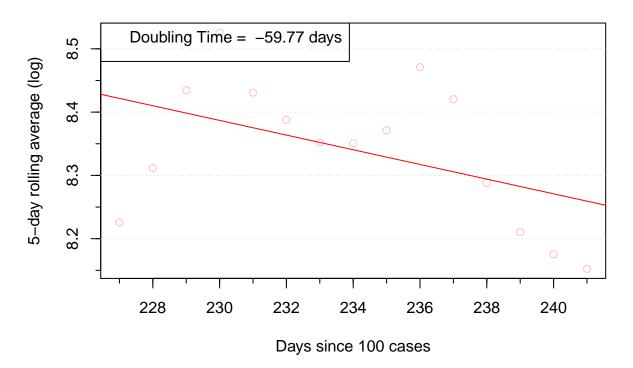
New cases (log scale), Argentina – past 14 days



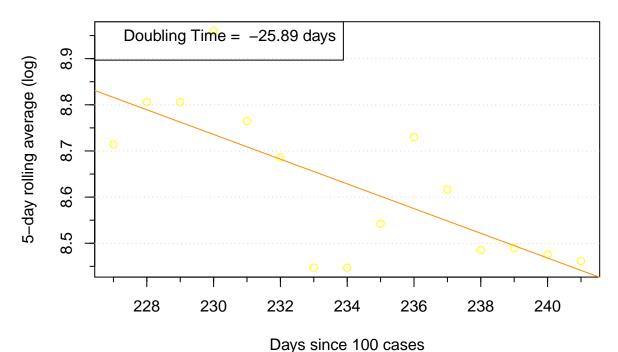
New cases (log scale), CABA – past 14 days



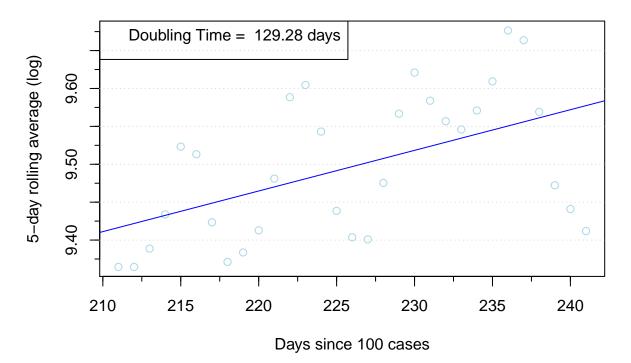
New cases (log scale), PBA – past 14 days



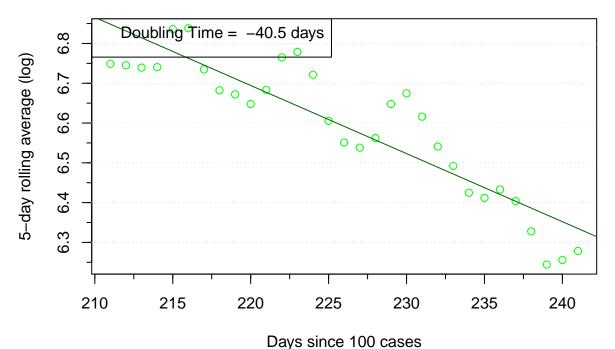
New cases (log scale), AMBA - past 14 days



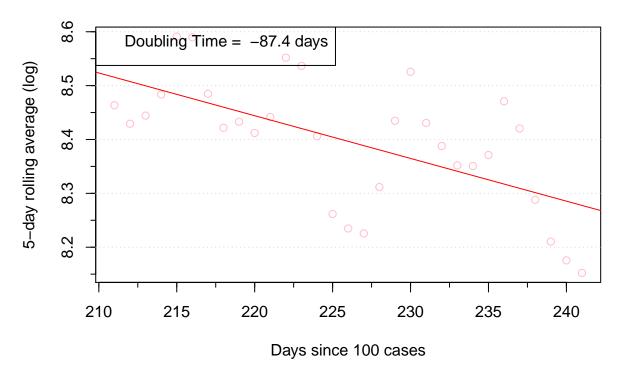
New cases (log scale), Argentina – past 30 days



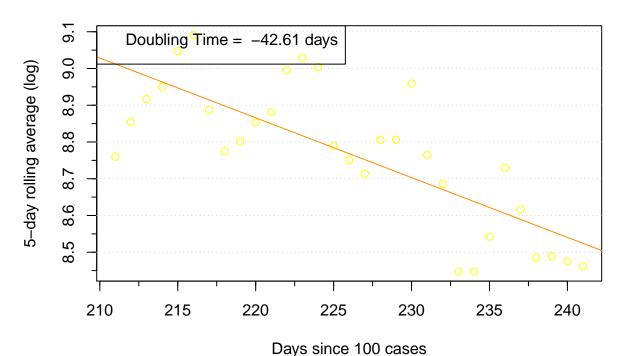
New cases (log scale), CABA - past 30 days



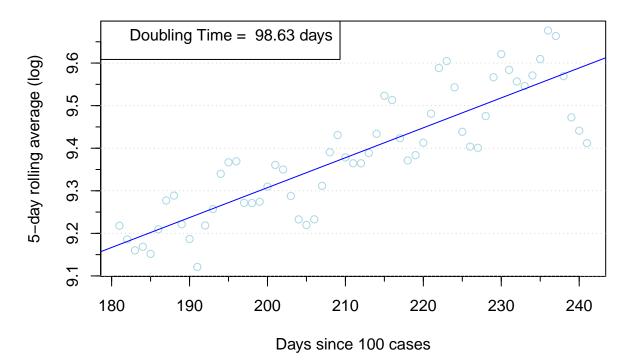
New cases (log scale), PBA – past 30 days



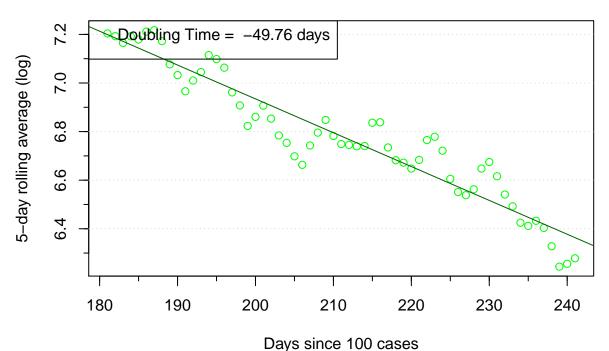
New cases (log scale), AMBA - past 30 days



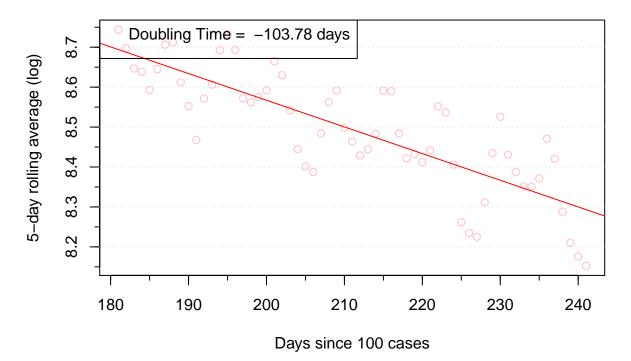
New cases (log scale), Argentina – past 60 days



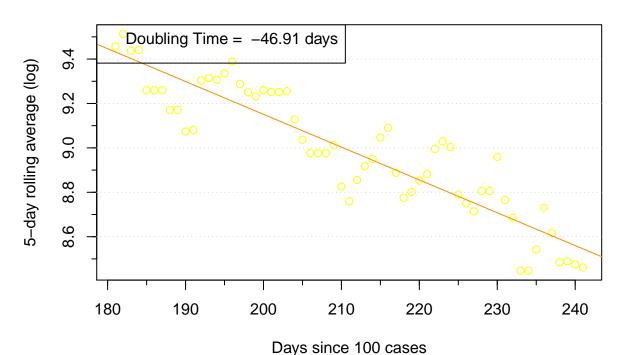
New cases (log scale), CABA - past 60 days



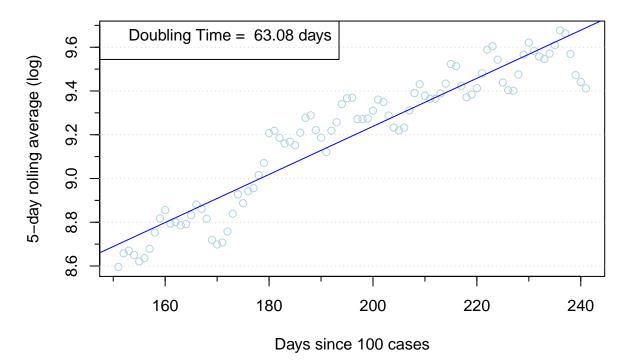
New cases (log scale), PBA – past 60 days



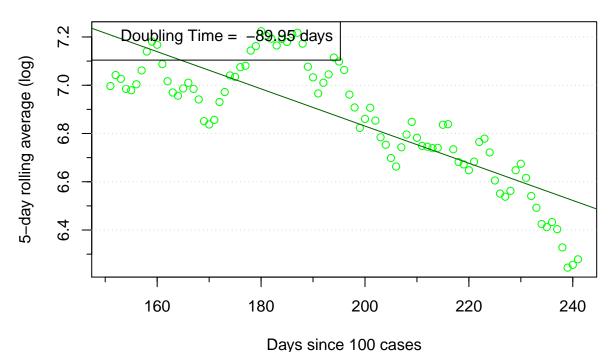
New cases (log scale), AMBA - past 60 days



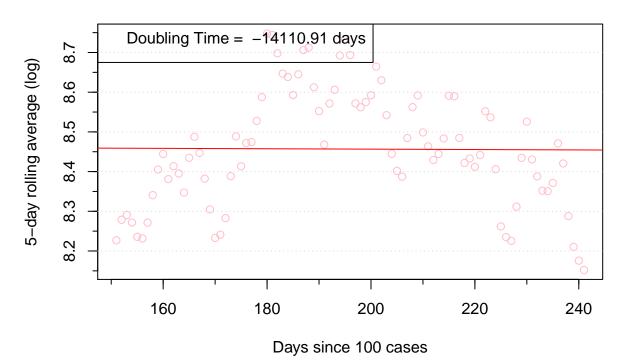
New cases (log scale), Argentina – past 90 days



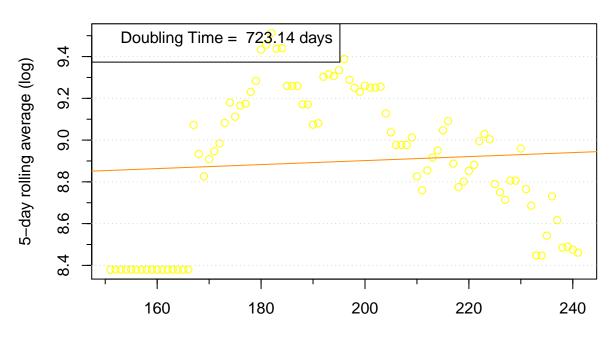
New cases (log scale), CABA - past 90 days



New cases (log scale), PBA – past 90 days



New cases (log scale), AMBA - past 90 days



Days since 100 cases

##	Argentina	CABA	PBA	AMBA
## all dates	24.24	35.72	22.80	204.30
## past 14 days	-728.70	-24.27	-59.77	-25.89
## past 30 days	129.28	-40.50	-87.40	-42.61
## past 60 days	98.63	-49.76	-103.78	-46.91
## past 90 days	63.08	-89.95	-14110.91	723.14

R0 over time (daily cases estimate)

These graphs rely heavily on the Epitrix, EpiEstim, and incidence modules in R. These graphs are rough estimates based on the number of new cases reported each day and not/not the actual date of registry/onset of symptoms, which provide a more-accurate picture of the rate of transmission.

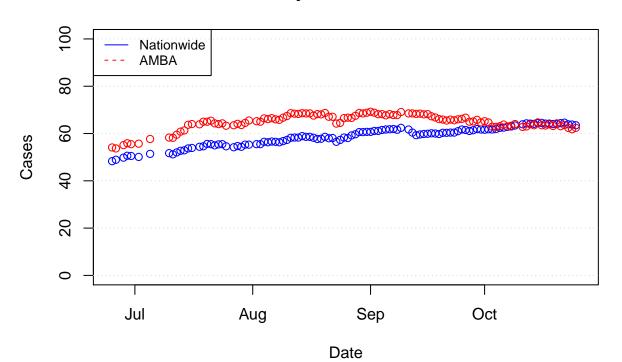
The following data on serial incidence are drawn from a meta analysis of COVID-19: https://doi.org/10.100 2/jmv.26041

$$\mu = 5.08 \ days$$
 $\sigma = .18$

A gamma distribution is created programatically, and the estimate_R function is run against incidence objects containing the new cases reported each day.

ICU Capacity

Daily ICU Bed Rate



##		Date	ICUBeds	ICUPctNation	ICUPctAMBA
##	95	2020-09-27	3604	61.1	65
##	96	2020-09-28	3678	61.4	65.1
##	97	2020-09-29	3768	61.9	65.8
##	98	2020-09-30	3792	61.7	64.7
##	99	2020-10-01	3799	61.6	65.2
##	100	2020-10-02	3828	61.8	64.7
##	101	2020-10-03	3820	61.7	62.9
##	102	2020-10-04	3950	61.9	62.8
##	103	2020-10-05	3978	62.4	63.1
##	104	2020-10-06	4007	62.5	63.8
##	105	2020-10-07	3997	62.8	63
##	106	2020-10-08	4043	63	63.3
##	107	2020-10-09	4092	63.4	64
##	108	2020-10-10	NA	<na></na>	<na></na>
##	109	2020-10-11	4237	63.9	62.8
##	110	2020-10-12	4287	64.3	63
##	111	2020-10-13	4294	64.2	63.9
##	112	2020-10-14	4316	64.1	63.5
##	113	2020-10-15	4278	64.4	64.7
##	114	2020-10-16	4346	64.5	63.5
##	115	2020-10-17	4386	64.2	63.4
##	116	2020-10-18	4387	64.2	63.9
##	117	2020-10-19	4392	64	63.2
##	118	2020-10-20	4451	64	64.3
##	119	2020-10-21	4573	64.4	63.1
##	120	2020-10-22	4611	64.6	63.6
##	121	2020-10-23	4696	63.9	62.4

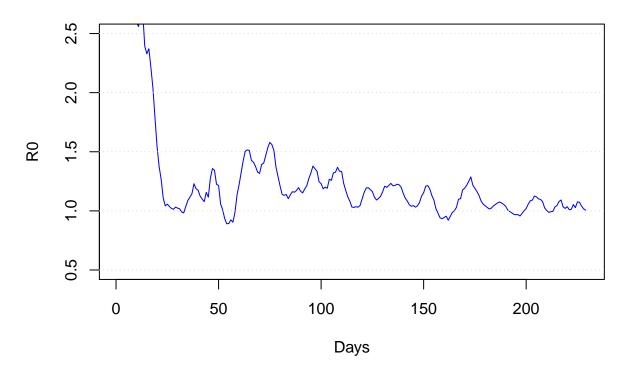
##	122	2020-10-24	4850	63.8	61.8
##	123	2020-10-25	4863	63.5	62.4
##	124	2020-10-26	NA	<na></na>	<na></na>

Better R Estimate

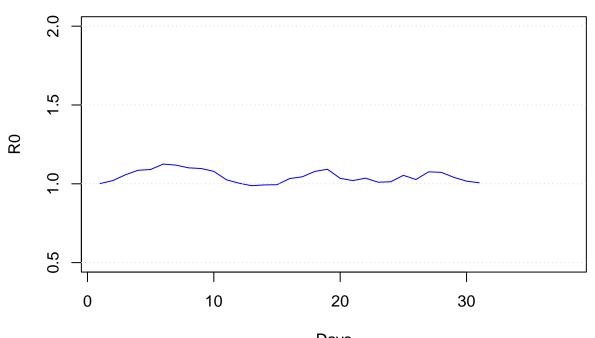
This data is drawn from over 1 million epidemiological records, indexed by the date the case was registered with the Ministry of Health. Cases are often registered prior to a confirmed diagnosis; therefore, this data "lags".

An incidence object is created using all confirmed cases in Argentina. The estimate_R() function from the EpiEstim package is used with the serial interval as described in the R estimate section above. While the estimate_R() function uses a rolling 7-day window, we also force the estimate away from the last five days of data due to the confirmation lag.

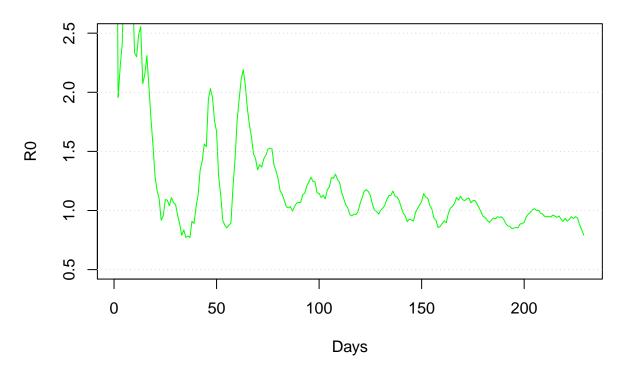
R0 over time, National Overall



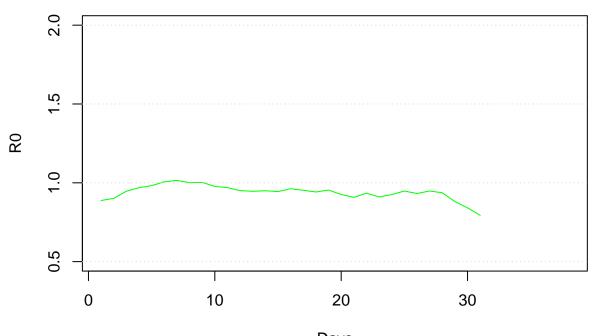
R0 over time, National Past Month



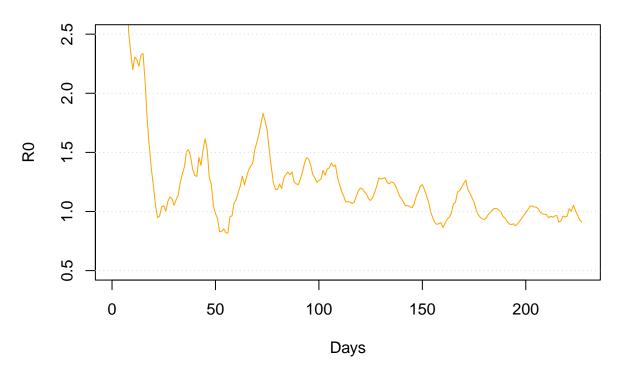
Days **R0 over time, CABA Overall**



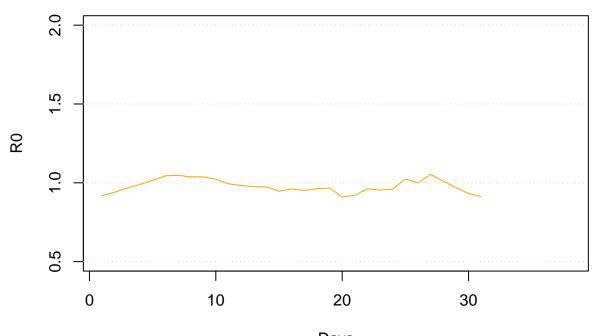
R0 over time, CABA Past Month



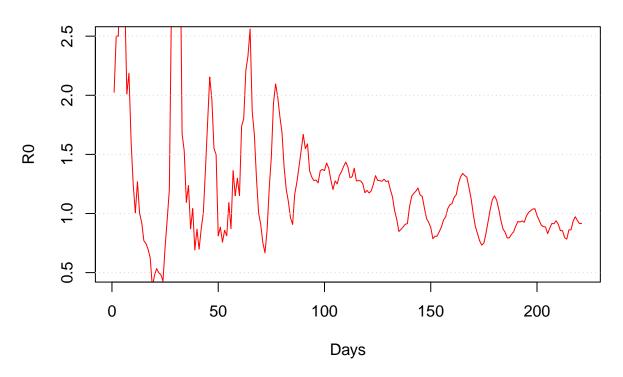
Days **R0 over time, Conurbano Overall**



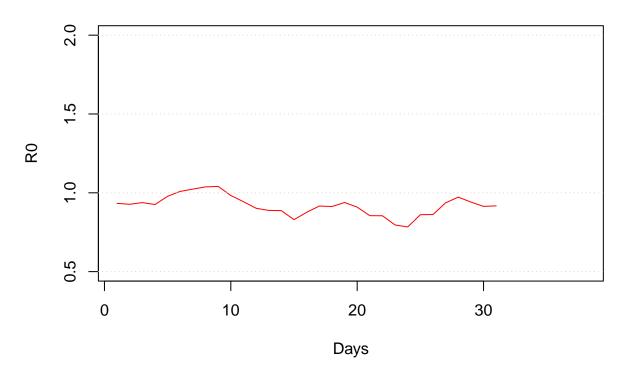
R0 over time, Conurbano Past Month



Days **R0 over time, AMBA Overall**

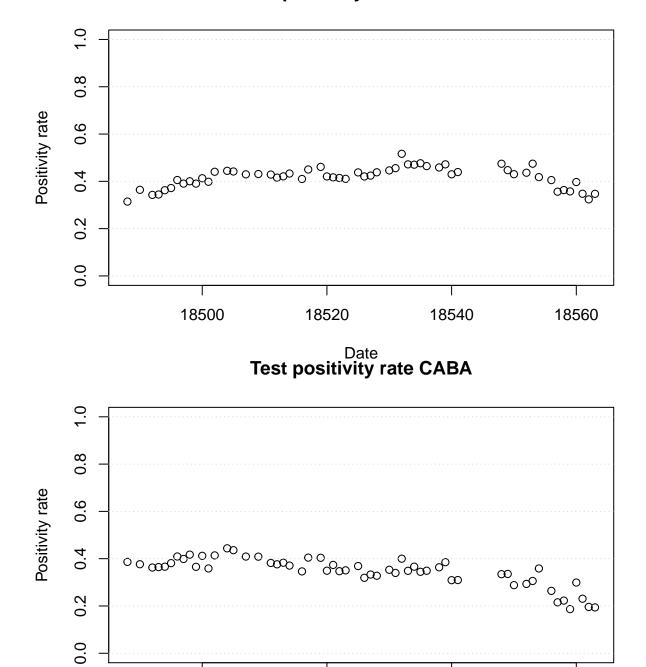


R0 over time, AMBA Past Month



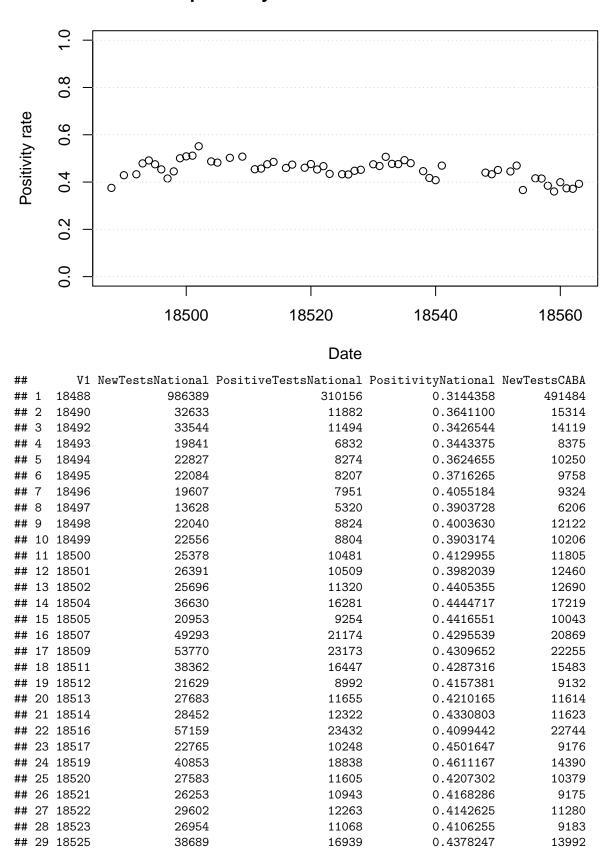
Testing and positivity rates

Test positivity rate National



Date

Test positivity rate Province of Buenos Aires



##		18526	200		8416	0.420589	
##	31	18527	268	300	11370	0.424253	7 9430
##	32	18528	270	001	11833	0.4382430	8687
##	33	18530	544	138	24293	0.4462508	18049
##	34	18531	223	326	10175	0.455746	7 7085
##	35	18532	154	142	7975	0.5164486	3980
##	36	18533	231	119	10906	0.471733	
##		18534	265		12507	0.470524	
##		18535	274		13074	0.4764230	
##		18536	260		12082	0.464424	
##		18538	479		22005	0.4586190	
##		18539			7045		
			149			0.4719003	
##		18540	223		9622	0.4296878	
##		18541	277		12199	0.4392554	
##		18548	1326		62916	0.4744474	
##		18549	223		9984	0.447271	
##		18550	256		11048	0.4302516	
##		18552	577		25188	0.4364582	
##	48	18553	356		16908	0.474610	5 11393
##	49	18554	61	173	2579	0.417787	1 2047
##	50	18556	767	743	31104	0.4053008	3 24102
##	51	18557	286	614	10193	0.3562242	2 10584
##	52	18558	273	370	9939	0.3631348	9856
##	53	18559	225	549	8060	0.3574438	7828
##	54	18560	160	083	6386	0.3970652	2 4967
##		18561	220		7651	0.3475989	
##		18562	250		8101	0.323638	
##							
		18563	258	314	8961	0.3471372	9370
##	57	18563 PositiveTests	258 sCABA Po	B14 DsitivityCABA	8961 NewTestsPBA	0.3471372 PositiveTestsPBA l	2 9370 PositivityPBA
## ##	57 1	18563 PositiveTests	258 sCABA Po 89909	314 ositivityCABA 0.3863992	8961 NewTestsPBA 226778	0.3471373 PositiveTestsPBA 1 85115	2 9370 PositivityPBA 0.3753230
## ## ##	57 1 2	18563 PositiveTests	258 sCABA Po 89909 5766	314 DsitivityCABA 0.3863992 0.3765182	8961 NewTestsPBA 226778 7985	0.3471373 PositiveTestsPBA 1 85115 3425	2 9370 PositivityPBA 0.3753230 0.4289292
## ## ## ##	57 1 2 3	18563 PositiveTests	258 sCABA Po 89909 5766 5119	314 ositivityCABA 0.3863992 0.3765182 0.3625611	8961 NewTestsPBA 226778 7985 8632	0.3471373 PositiveTestsPBA 1 85115 3425 3736	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082
## ## ## ##	57 1 2 3 4	18563 PositiveTests	258 sCABA Po 89909 5766 5119 3052	314 ositivityCABA 0.3863992 0.3765182 0.3625611 0.3644179	8961 NewTestsPBA 226778 7985 8632 5026	0.3471372 PositiveTestsPBA 1 85115 3425 3736 2407	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097
## ## ## ## ##	57 1 2 3 4 5	18563 PositiveTests	258 sCABA Po 89909 5766 5119 3052 3752	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488	8961 NewTestsPBA 226778 7985 8632 5026 5655	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235
## ## ## ## ## ##	57 1 2 3 4 5 6	18563 PositiveTests	258 sCABA Po 89909 5766 5119 3052 3752 3719	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316
## ## ## ## ## ##	57 1 2 3 4 5 6 7	18563 PositiveTests	258 SCABA Po 89909 5766 5119 3052 3752 3719 3816	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430
## ## ## ## ## ##	57 1 2 3 4 5 6 7 8	18563 PositiveTests	258 8CABA Po 89909 5766 5119 3052 3752 3719 3816 2475	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063
## ## ## ## ## ## ##	57 1 2 3 4 5 6 7 8 9	18563 PositiveTests	258 SCABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778
## ## ## ## ## ##	57 1 2 3 4 5 6 7 8 9	18563 PositiveTests	258 8CABA Po 89909 5766 5119 3052 3752 3719 3816 2475	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063
## ## ## ## ## ## ##	57 1 2 3 4 5 6 7 8 9	18563 PositiveTests	258 SCABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778
## ## ## ## ## ## ##	57 1 2 3 4 5 6 7 8 9 10	18563 PositiveTests	258 sCABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069
## ## ## ## ## ## ## ##	57 1 2 3 4 5 6 7 8 9 10 11	18563 PositiveTests	258 SCABA PO 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092
## ## ## ## ## ## ## ## ## ## ## ## ##	57 1 2 3 4 5 6 7 8 9 10 11 12	18563 PositiveTests	258 SCABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865
## ## ## ## ## ## ## ## ## ## ## ## ##	57 1 2 3 4 5 6 7 8 9 10 11 12 13	18563 PositiveTests	258 8CABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784
######################################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14	18563 PositiveTests	258 8CABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164
######################################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	18563 PositiveTests	258 8CABA PC 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642 4378 8535	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121 0.4359255 0.4089798	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331 4274 12624	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059 2061 6344	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164 0.4822181 0.5025349
######################################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	18563 PositiveTests	258 8CABA PC 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642 4378	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121 0.4359255	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331 4274	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059 2061	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164 0.4822181
######################################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	18563 PositiveTests	258 SCABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642 4378 8535 9092 5913	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121 0.4359255 0.4089798 0.4085374 0.3819027	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331 4274 12624 13026 9205	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059 2061 6344 6611 4181	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164 0.4822181 0.5025349 0.5075234 0.4542097
######################################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	18563 PositiveTests	258 SCABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642 4378 8535 9092 5913 3435	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121 0.4359255 0.4089798 0.4085374 0.3819027 0.3761498	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331 4274 12624 13026 9205 4498	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059 2061 6344 6611 4181 2055	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164 0.4822181 0.5025349 0.5075234 0.4542097 0.4568697
######################################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	18563 PositiveTests	258 SCABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642 4378 8535 9092 5913 3435 4448	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121 0.4359255 0.4089798 0.4085374 0.3819027 0.3761498 0.3829861	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331 4274 12624 13026 9205 4498 7407	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059 2061 6344 6611 4181 2055 3520	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164 0.4822181 0.5025349 0.5075234 0.4568697 0.4752261
#######################################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	18563 PositiveTests	258 SCABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642 4378 8535 9092 5913 3435 4448 4310	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121 0.4359255 0.4089798 0.4085374 0.3819027 0.3761498 0.3829861 0.3708165	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331 4274 12624 13026 9205 4498 7407 6867	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059 2061 6344 6611 4181 2055 3520 3332	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164 0.4822181 0.5025349 0.5075234 0.4542097 0.4568697 0.4752261 0.4852192
#############################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	18563 PositiveTests	258 8CABA PC 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642 4378 8535 9092 5913 3435 4448 4310 7874	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121 0.4359255 0.4089798 0.4085374 0.3819027 0.3761498 0.3829861 0.3708165 0.3462012	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331 4274 12624 13026 9205 4498 7407 6867 14298	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059 2061 6344 6611 4181 2055 3520 3332 6571	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164 0.4822181 0.5025349 0.5075234 0.4542097 0.4568697 0.4752261 0.4852192 0.4595748
##########################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	18563 PositiveTests	258 8CABA Po 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642 4378 8535 9092 5913 3435 4448 4310 7874 3712	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121 0.4359255 0.4089798 0.4085374 0.3819027 0.3761498 0.3829861 0.3708165 0.3462012 0.4045336	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331 4274 12624 13026 9205 4498 7407 6867 14298 5617	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059 2061 6344 6611 4181 2055 3520 3332 6571 2661	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164 0.4822181 0.5025349 0.5075234 0.4542097 0.4568697 0.4752261 0.4852192 0.4595748 0.4737404
############################	57 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	18563 PositiveTests	258 8CABA PC 89909 5766 5119 3052 3752 3719 3816 2475 5057 3731 4865 4469 5252 7642 4378 8535 9092 5913 3435 4448 4310 7874	314 0.3863992 0.3765182 0.3625611 0.3644179 0.3660488 0.3811232 0.4092664 0.3988076 0.4171754 0.3655693 0.4121135 0.3586677 0.4138692 0.4438121 0.4359255 0.4089798 0.4085374 0.3819027 0.3761498 0.3829861 0.3708165 0.3462012	8961 NewTestsPBA 226778 7985 8632 5026 5655 5891 4897 3151 4561 5767 6430 6732 5985 8331 4274 12624 13026 9205 4498 7407 6867 14298	0.3471373 PositiveTestsPBA 1 85115 3425 3736 2407 2779 2799 2221 1308 2030 2887 3271 3444 3300 4059 2061 6344 6611 4181 2055 3520 3332 6571	2 9370 PositivityPBA 0.3753230 0.4289292 0.4328082 0.4789097 0.4914235 0.4751316 0.4535430 0.4151063 0.4450778 0.5006069 0.5087092 0.5115865 0.5513784 0.4872164 0.4822181 0.5025349 0.5075234 0.4542097 0.4568697 0.4752261 0.4852192 0.4595748

##		3428	0.3736240	6543	2965	0.4531560
##	27	3915	0.3470745	7186	3357	0.4671584
##	28	3220	0.3506479	6735	2927	0.4345954
##	29	5160	0.3687822	7931	3435	0.4331106
##	30	2128	0.3192319	4807	2077	0.4320782
##	31	3140	0.3329799	6318	2828	0.4476100
##	32	2848	0.3278462	6298	2846	0.4518895
##	33	6372	0.3530389	12553	5966	0.4752649
##	34	2407	0.3397318	4828	2259	0.4678956
##	35	1592	0.4000000	2818	1428	0.5067424
##	36	2340	0.3486293	5324	2539	0.4768971
##	37	3219	0.3662116	5633	2681	0.4759453
##	38	2820	0.3445748	6354	3130	0.4926031
##	39	3070	0.3491017	5428	2604	0.4797347
##	40	5575	0.3636423	10946	4882	0.4460077
##	41	1561	0.3852419	3543	1478	0.4171606
##	42	2390	0.3090251	4699	1917	0.4079591
##	43	2835	0.3096668	6053	2842	0.4695192
##	44	13359	0.3344348	27787	12221	0.4398100
##	45	2617	0.3355128	5275	2284	0.4329858
##	46	2438	0.2881456	5534	2496	0.4510300
##	47	5689	0.2933381	12689	5645	0.4448735
##	48	3483	0.3057140	7121	3344	0.4695970
##	49	734	0.3585735	1439	527	0.3662265
##	50	6360	0.2638785	15237	6334	0.4156986
##	51	2280	0.2154195	5359	2223	0.4148162
##	52	2196	0.2228084	5038	1937	0.3844780
##	53	1462	0.1867655	4313	1553	0.3600742
##	54	1486	0.2991746	2700	1078	0.3992593
##	55	1754	0.2307591	4281	1599	0.3735109
##	56	1706	0.1959343	5259	1954	0.3715535
##	57	1817	0.1939168	5367	2106	0.3923980