

Explanatory Data Analysis (EDA) Of Coronavirus (COVID-19) of PAKISTAN

Days	Date	Total Tests Conducted	Test Conducted per day	Total Confirmed Positive Cases	New cases	%age increas in Positive Cases	Total Deaths	New Death	%age increase in Deaths	Death / Confirm cases	Total Recoveries	Recovery per day	%age increase in Recoveries
1	11-Mar-20	471	471	20	20	-	0	-	-	-	2	-	-
2	12-Mar-20	531	60	21	1	5%	0	-	-	-	2	2	-
3	13-Mar-20	609	78	28	7	33%	0	-	-	-	3	1	50%
4	14-Mar-20	684	75	31	3	11%	0	-	-	-	3	0	0%
5	15-Mar-20	833	149	53	22	71%	0	-	-	-	3	0	0%
6	16-Mar-20	1125	292	187	134	253%	0	-	-	-	4	1	33%
7	17-Mar-20	1141	16	238	51	27%	0	-	-	-	4	0	0%
8	18-Mar-20	2163	1022	302	64	27%	2	2	-	0.66%	5	1	25%
9	19-Mar-20	3410	1247	457	155	51%	2	0	0%	0.44%	5	0	0%
10	20-Mar-20	4001	591	534	77	17%	3	1	50%	0.56%	5	0	0%
11	21-Mar-20	5225	1224	646	112	21%	3	0	0%	0.46%	5	0	0%
12	22-Mar-20	5444	219	803	157	24%	6	3	100%	0.75%	6	1	20%
13	23-Mar-20	5857	413	892	89	11%	6	0	0%	0.67%	6	0	0%
14	24-Mar-20	6123	266	1000	108	12%	7	1	17%	0.70%	19	13	217%
15	25-Mar-20	6449	326	1102	102	10%	8	1	14%	0.73%	21	2	11%
16	26-Mar-20	7835	1386	1235	133	12%	9	1	13%	0.73%	23	2	10%
17	27-Mar-20	13231	5396	1405	170	14%	11	2	22%	0.78%	25	2	9%
18	28-Mar-20	14336	1105	1526	121	9%	13	2	18%	0.85%	28	3	12%
19	29-Mar-20	14748	412	1625	99	6%	18	5	38%	1.11%	32	4	14%
20	30-Mar-20	15683	935	1861	236	15%	25	7	39%	1.34%	58	26	81%
21	31-Mar-20	15967	284	2039	178	10%	26	1	4%	1.28%	82	24	41%
22	01-Apr-20	17324	1357	2289	250	12%	31	5	19%	1.35%	107	25	30%
23	02-Apr-20	30308	12984	2450	161	7%	35	4	13%	1.43%	126	19	18%
24	03-Apr-20	32930	2622	2708	258	11%	40	5	14%	1.48%	130	4	3%
25	04-Apr-20	34885	1955	2880	172	6%	45	5	13%	1.56%	170	40	31%
26	05-Apr-20	35875	990	3287	407	14%	50	5	11%	1.52%	257	87	51%
27	06-Apr-20	39183	3308	3864	577	18%	54	4	8%	1.40%	429	172	67%
28	07-Apr-20	42159	2976	4074	210	5%	58	4	7%	1.42%	467	38	9%
29	08-Apr-20	44896	2737	4317	243	6%	63	5	9%	1.46%	572	105	22%
30	09-Apr-20	54706	9810	4598	281	7%	66	3	5%	1.44%	727	155	27%
31	10-Apr-20	57836	3130	4784	186	4%	71	5	8%	1.48%	762	35	5%
32	11-Apr-20	61801	3965	5038	254	5%	86	15	21%	1.71%	1026	264	35%
33	12-Apr-20	65114	3313	5374	336	7%	93	7	8%	1.73%	1095	69	7%
34	13-Apr-20	69928	4814	5716	342	6%	96	3	3%	1.68%	1378	283	26%
35	14-Apr-20	73439	3511	5985	269	5%	107	11	11%	1.79%	1446	68	32%
36	15-Apr-20	78979	5540	6505	520	9%	124	17	16%	1.91%	1645	199	50%
Average(Mean)			2181		180			3				46	
Variance (S ²)			8272069.0		14428.1			9.8				3822.6	
Standard Deviation (S)			2876.1		120.1			3.1				61.8	
Maximum			12984.0		577.0			17.0				283.0	
Minimum			16.0		1.0			0.0				0.0	

Weekly Break Up

Days	Date	Week	Total Tests Conducted per week	Total Confirmed Positive Cases	New cases Per week	%age increas in Positive Cases	Total Deaths	New Death Per week	%age increase in Deaths	Death / Confirm cases	Total Recoveries	Recovery per Week	%age increase in Recoveries
11/03/20 to 17/03/20		1st Week	1141	238	238	-	-	-	-	-	4	4	-
08/03/20 to 24/03/20		2nd Week	4982	1000	762	320%	7	7	-	-	19	15	375%
25/03/20 to 31/03/20		3rd Week	9844	2039	1039	104%	26	19	271%	1.28%	82	63	332%
01/04/20 to 07/04/20		4th Week	26192	4074	2035	100%	58	32	123%	1.42%	467	385	470%
08/04/20 to 15/04/20		5th Week	36820	6505	2431	60%	124	66	114%	1.91%	1645	1178	252%

Fortnightly Break Up

11/03/20 to 25/03/20	1st 15 Days	1102	1102	-	8	8	-	0.73%	21	21	-	
26/03/20 to 09/04/20	2nd 15 Days	4598	3496	317%	66	58	725%	1.44%	727	706	3362%	
10/04/20 to 24/04/20	3rd 15 Days											

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Source: <http://covid.gov.pk/>