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Correction: Impact of social determinants on COVID-19 infections: a comprehensive study from Saudi Arabia governorates

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Correction to: *Humanities and Social Sciences Communications* <https://doi.org/10.1057/s41599-022-01208-2>, published online 07 October 2022.

In the original version of this article, incomplete versions of tables 2 and 6 were inadvertently published. These have now been corrected in full in the HTML and PDF versions of the paper.

Original table 2

Table 2 Means of the study variables in KSA regions.

- Indicates rank of region value is >80% of all regions. indicates rank of region value is >60% of all regions. indicates rank of region value is >40% of all regions. indicates rank of region value is >20% of all regions. indicates rank of region value is <80% of all regions.
- *OLD, INSURANCE and AV SALARY in each region are estimated by the average of all governorates in that region.

Amended Table 2





Table 2 Means of the study variables in KSA regions.

	Ar Riyad	Makkah	Al Madinah	Al Qaseem	East.region	Aseer	Tabuk	Hail	Al Bahah	Al Jawf	Jazan	Najran	North.region
POPULATION	6,777,146	6,605,036	1,740,046	1,180,806	4,105,780	1,806,275	771,397	557,822	394,304	440,009	1,304,311	505,652	320,524
HOUSES	1,406,059	6,866,782	1,459,368	9,519,290	872,304	3,795,705	129,180	675,064	852,462	504,448	2,564,220	2,206,834	3,636,912
MSCHOOLS	2,201	1,892	864	777	1,105	1,420	410	520	414	291	940	296	230
FSCHOOLS	2,421	1,952	856	894	1,178	1,401	448	461	426	309	853	289	198
MAV INTENSITY	574	339	199	283	347	353	161	143	214	115	408	161	108
FAV INTENSITY	520	295	203	258	372	335	139	161	174	117	437	160	96
EMPLOYEES	1,931,747	24,021,075	1,400,016	42,765,448	778,164	4,301,985	4,466,166	1,059,760	2,842,703	514,620	5,425,395	2,596,083	8,385,584
OLD*	2	12	7	20	3	7	7	3	2	3	5	12	25
AV SALARY*	13,003	21,189	12,780	19,025	12,891	14,629		12,421	13,867	16,475	12,790	14,095	18,690
INSURANCE*	21	28	28	44	18	22	28	22	19	25	47	17	49
HOSPITALS	90	91	34	22	75	40	14	15	14	14	25	20	11
BEDS	17,410	14,184	4,525	3,097	12,823	4,925	1,718	1,205	1,435	1,820	2,338	2,110	1,410
NURSES	36,092	26,254	7,795	4,687	23,007	7,794	4,403	2,078	1,837	3,377	3,653	3,139	2,069
DOCTORS	14,771	11,856	3,476	1,798	9,092	3,291	1,590	693	828	853	1,741	1,132	679
CENTERS	1,380	3,172	1,344	4,565	1,128	2,235		872	588	384	2,340	2,338	1,296

indicates rank of region value is greater than 80% of all regions. indicates rank of region value is greater than 60% of all regions. indicates rank of region value is greater than 40% of all regions. indicates rank of region value is greater than 20% of all regions. indicates rank of region value is less than 80% of all regions.

























*OLD, INSURANCE and AV SALARY in each region are estimated by the average of all governorates in that region.





Original table 6

Table 6 Forecasting errors measures for the four compared methods.
 ● Arrows     represent the order of values within each row from the minimum to maximum.


Amended Table 6

Table 6 Forecasting errors measures for the four compared methods.

Cluster	Metric	LSTM	MLP	SES	SARIMA
Cluster one	RMSE	 0.128	 0.097	 0.199	 0.100
	MSE	 0.016	 0.009	 0.039	 0.010
	MAD	 0.108	 0.076	 0.164	 0.078
Cluster two	RMSE	 0.122	 0.095	 0.302	 0.111
	MSE	 0.015	 0.009	 0.091	 0.012
	MAD	 0.099	 0.073	 0.259	 0.092

Arrows     represent the order of values within each row from the minimum to maximum.

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