UN Youth Hackathon 2021

PRESENTATION

YOUNG STATISTICIAN LIGHT TEAM

TEAM MEMBERS

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OUTLINES

INTRODUCTION

I. RESEARCH QUESTION

II. DATA

III. METHODOLOGY PLANNED

IV. WARMING: DIFFICULTIES ENCOUNTERED

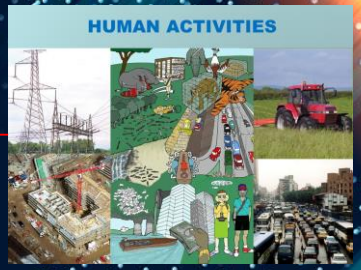
V. SOME EXPLORATION RESULTS

CONCLUSION

INTRODUCTION

Human activities and decisions

Has affected



Coming

COVID-19

caused

Deaths and bereavements

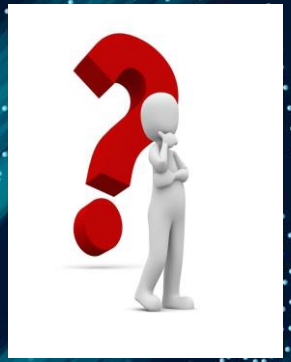
Impact

Impact

Has surely impacted

I. RESEARCH QUESTION

THEME: The impact on SDGs by the COVID-19 pandemic



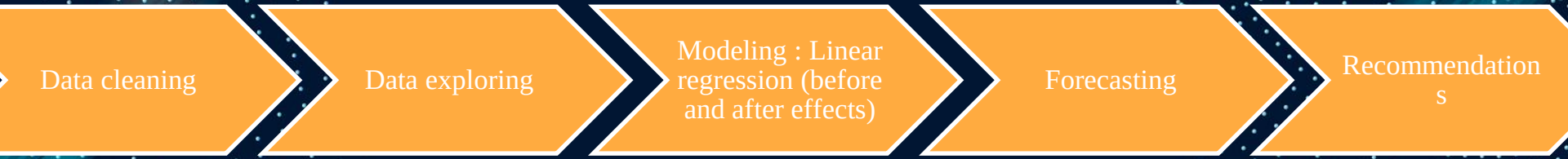
RQ1: How have the SDGs been impacted by COVID-19 ?

RQ2: How to ensure a sustainable and resilient recovery from the COVID-19 pandemic ?

II. DATA

Data from the platform provided by the hackathon organizing team

III. METHODOLOGY PLANNED



IV. WARNING: DIFFICULTIES ENCOUNTERED

Difficulties in dealing with the data because it is not structured as in statistics

Difficulties to really clean the data

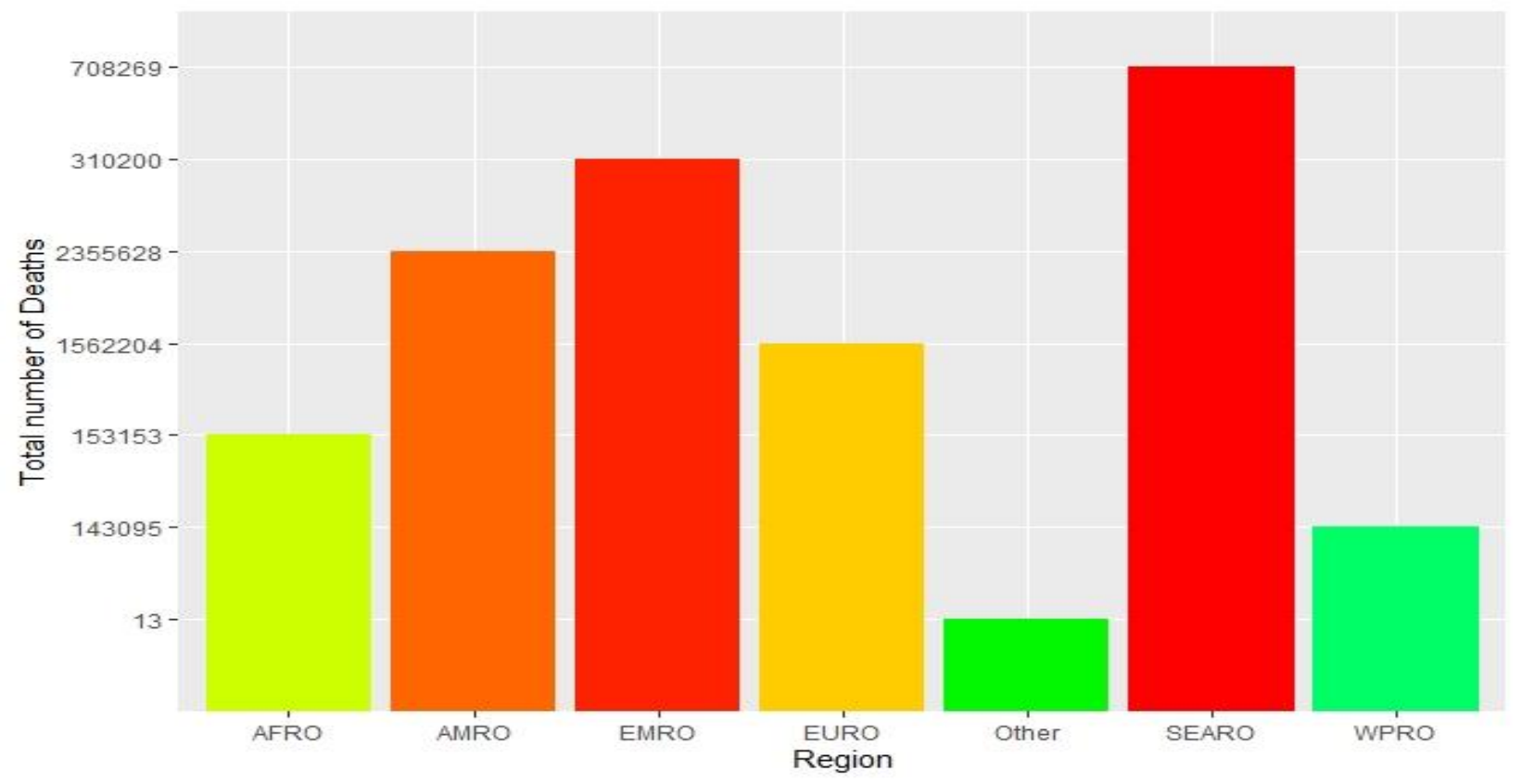
Difficulties in finding links and performing algebraic operations on datasets

Difficulties to take into account all the data for modeling (linear regression)

Difficulties to exploit all the data at the same time because they are not the same length

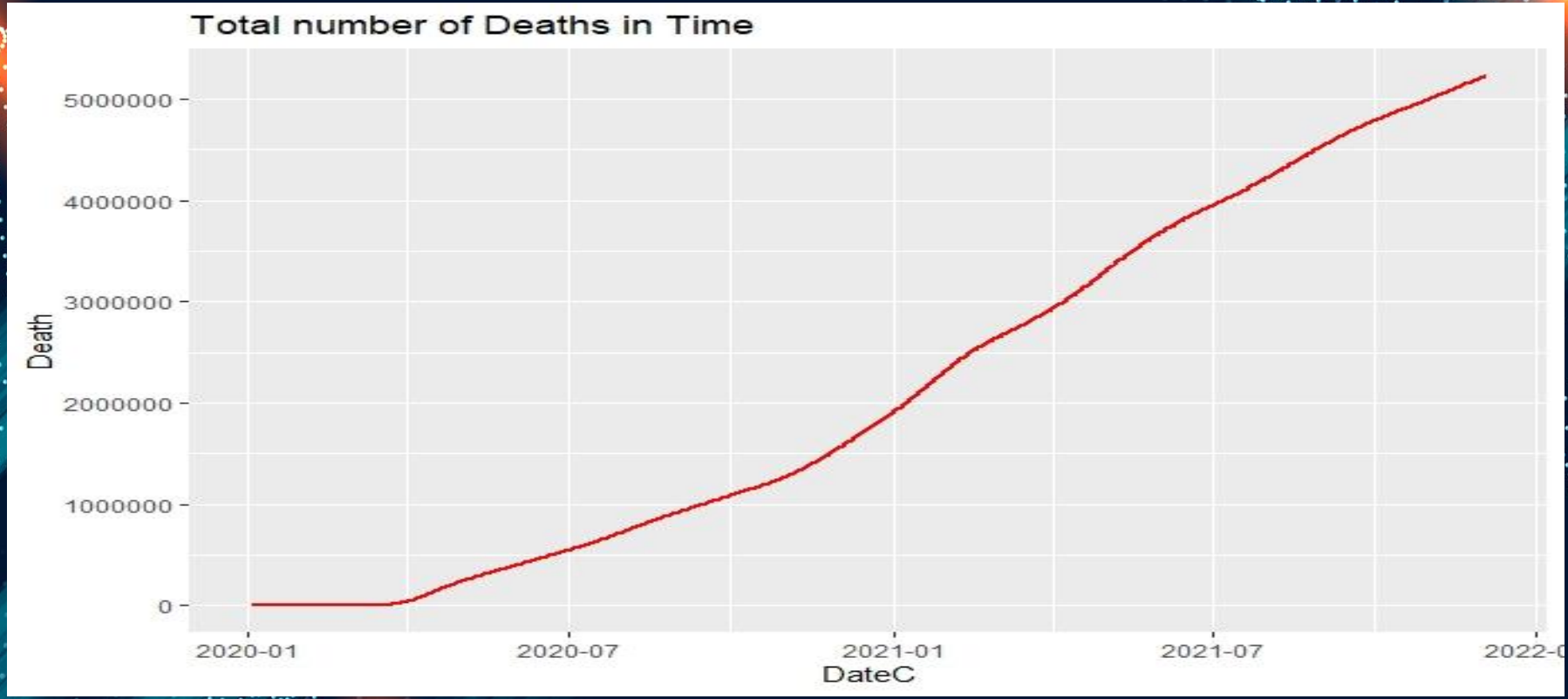
SOME EXPLORATION RESULTS

Total numbers of deaths (per region)



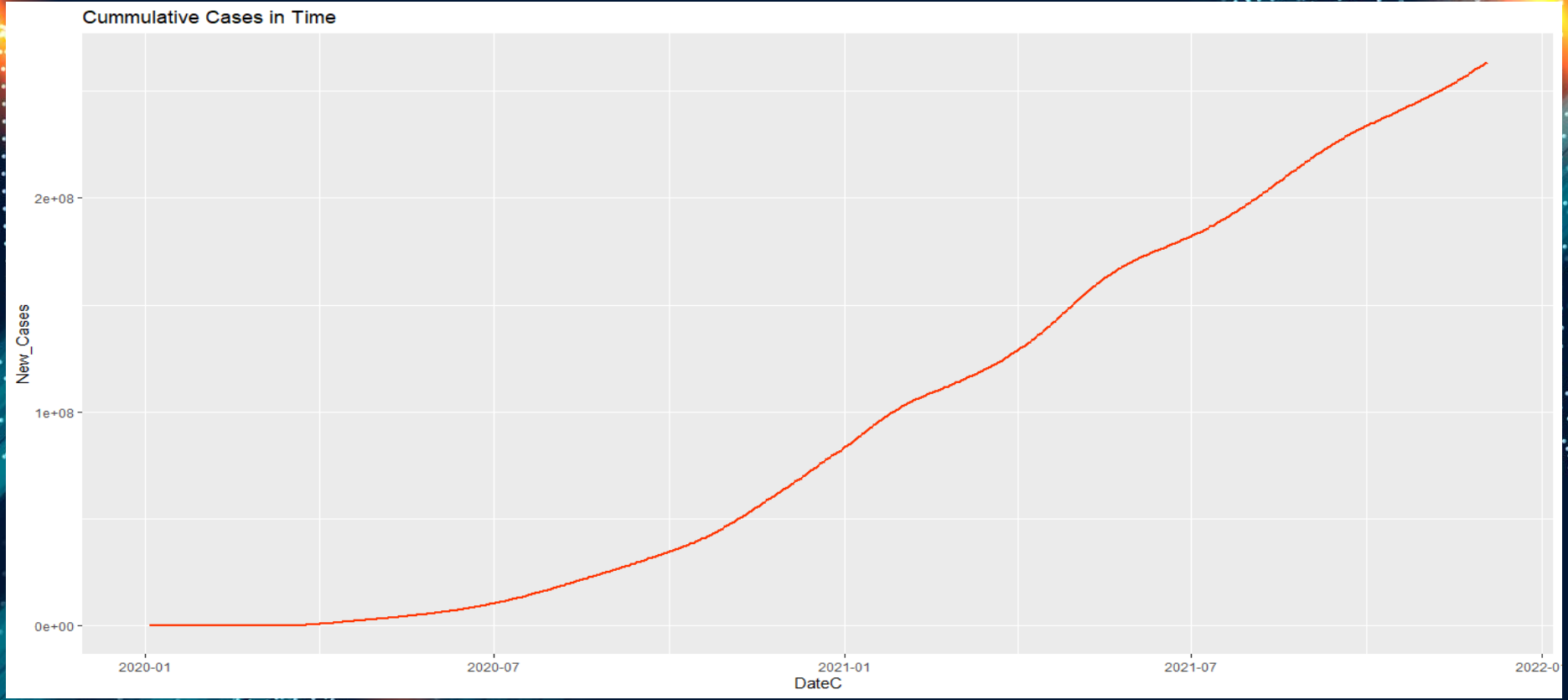
SOME EXPLORATION RESULTS

Number of deaths in Time



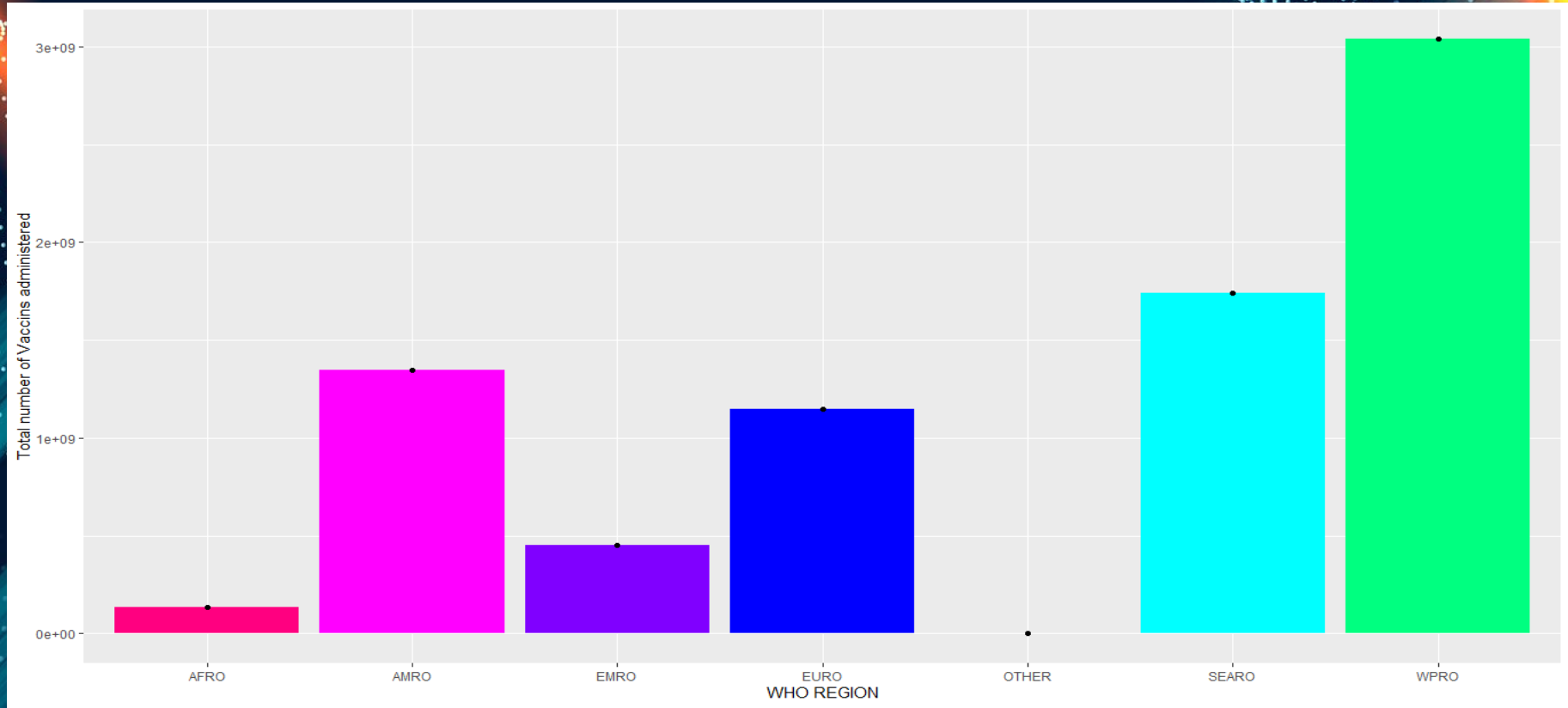
SOME EXPLORATION RESULTS

Cumulative Cases in Time



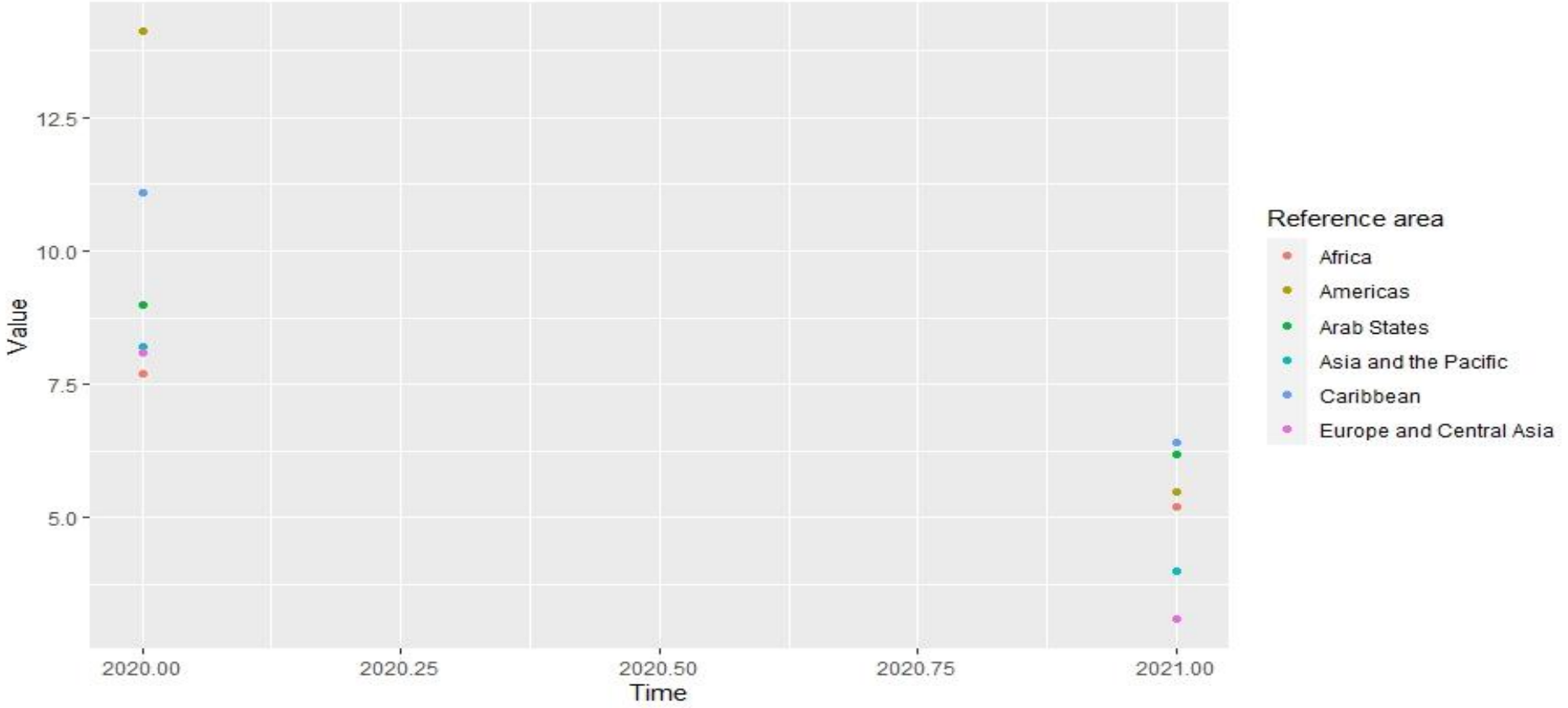
SOME EXPLORATION RESULTS

Total number of vaccine administered



SOME EXPLORATION RESULTS

Annual work hours lost due to Covid-19 pandemic



SOME EXPLORATION RESULTS

Graphics on SDG4

Interactive graphics on COVID-19 and school closures

Rproject\UNYH\COVID-19_and school closures.html

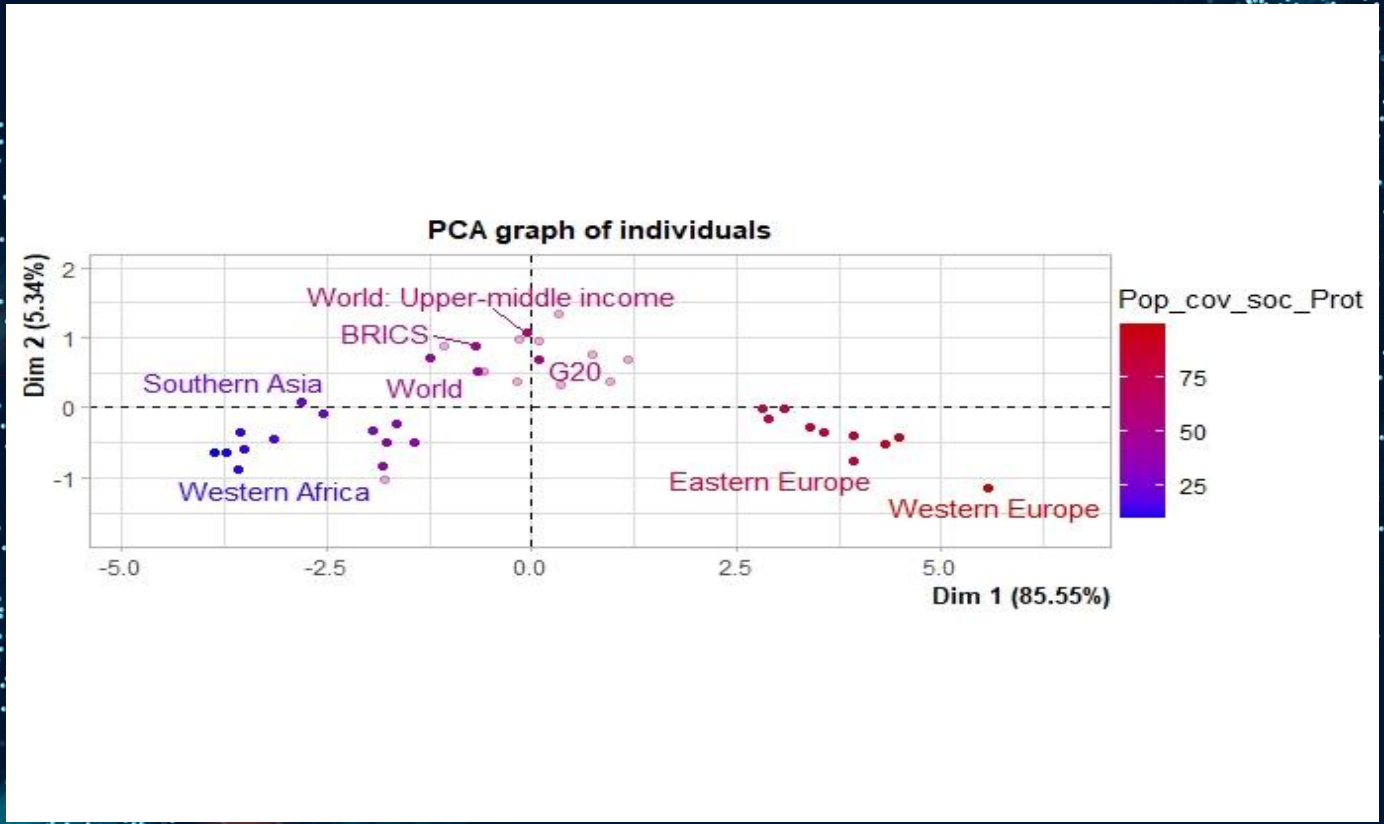
Duration of closures per country

Deliverables_YSLT\Scripts\Duration of school closures per country.html

1	Belarus	32	Russian Federation	63	Cameroon	94	Ethiopia	125	Congo	156	Rwanda	187	Mexico		
2	Burundi	33	CuraÃ§ao	64	Guinea	95	Haiti	126	Democratic People's Republic of Korea	157	Jamaica	188	Sri Lanka		
3	Nauru	34	Sierra Leone	65	Senegal	96	Netherlands	127	Hungary	158	Malaysia	189	Venezuela		
4	Tajikistan	35	Togo	66	Sudan	97	Zambia	128	Australia	159	Philippines	190	Myanmar		
5	Niue	36	Benin	67	Viet Nam	98	Bermuda	129	Timor-Leste	160	Dominican Republic	191	Bangladesh		
6	Marshall Islands	37	Luxembourg	68	Central African republic	99	Fiji	130	Turks and Caicos Island	161	Iran (Islamic Republic of)	192	Paraguay		
7	Kiribati	38	Nicaragua	69	Guinea-Bissau	100	Georgia	131	Uruguay	162	Mozambique	193	Peru		
8	Tonga	39	Singapore	70	Mauritania	101	Madagascar	132	Bulgaria	163	South Africa	194	Bhutan		
9	Cook Islands	40	Spain	71	Brunei Darussalam	102	Romania	133	Barbados	164	Antigua and Barbuda	195	Indonesia		
10	Greenland	41	United Republic of Tanzania	72	Micronesia (Federated States of)	103	Tunisia	134	Kazakhstan	165	Jordan	196	Republic of Korea		
11	Samoa	42	Andorra	73	Portugal	104	Democratic Republic of the Congo	135	Lesotho	166	North Macedonia	197	Brazil		
12	Tokelau	43	Burkina Faso	74	Sweden	105	Finland	136	Poland	167	South Sudan	198	Chile		
13	Turkmenistan	44	Maldives	75	Botswana	106	Israel	137	Saint Vincent and the Grenadines	168	Cambodia	199	Colombia		
14	Vanuatu	45	New Zealand	76	Namibia	107	Denmark	138	Zimbabwe	169	Cuba	200	Costa Rica		
15	Iceland	46	Niger	77	Nigeria	108	Equatorial Guinea	139	Latvia	170	Saudi Arabia	201	Ecuador		
16	Papua New Guinea	47	Republic of Moldova	78	Estonia	109	Morocco	140	Oman	171	Qatar	202	Guatemala		
17	Switzerland	48	Cayman Islands	79	Ireland	110	Comoros	141	Angola	172	Bahamas	203	El Salvador		
18	Djibouti	49	Mali	80	Malawi	111	San Marino	142	Czechia	173	Eswatini	204	Argentina		
19	Faroe Islands	50	Anguilla	81	Belgium	112	Greece	143	Thailand	174	Ghana	205	Honduras		
20	Solomon Islands	51	Dominica	82	China	113	Kenya	144	Mongolia	175	Trinidad and Tobago	206	Bolivia (Plurinational State of)		
21	Palau	52	Egypt	83	United Kingdom of Great Britain and Northern Ireland	114	Lao PDR	145	Slovenia	176	United Arab Emirates	207	India		
22	Croatia	53	Mauritius	84	Chad	115	Liberia	146	Afghanistan	177	Libya	208	Panama		
23	Japan	54	Somalia	85	Cyprus	116	Germany	147	Suriname	178	Bahrain	209	Nepal		
24	Armenia	55	Yemen	86	Gambia	117	Italy	148	Azerbaijan	179	Guyana	210	Uganda		
25	France	56	Cabo Verde	87	Sint Marteen	118	Lithuania	149	Bosnia and Herzegovina	180	Saint Lucia				
26	Tuvalu	57	Gibraltar	88	Ukraine	119	Montenegro	150	Lebanon	181	Pakistan				
27	Uzbekistan	58	Algeria	89	Albania	120	Montserrat	151	Turkey	182	Palestine				
28	Aruba	59	Gabon	90	Kyrgyzstan	121	Serbia	152	Belize	183	Grenada				
29	Cote d'Ivoire	60	Malta	91	Norway	122	Seychelles	153	Eritrea	184	Kuwait				
30	Liechtenstein	61	Saint Kitts and Nevis	92	Svalbard	123	Slovakia	154	British Virgin Islands	185	Iraq				
31	Monaco	62	SÃ£o TomÃ© and PrÃncipe	93	Syrian Arab Republic	124	Austria	155	Canada	186	United States of America				

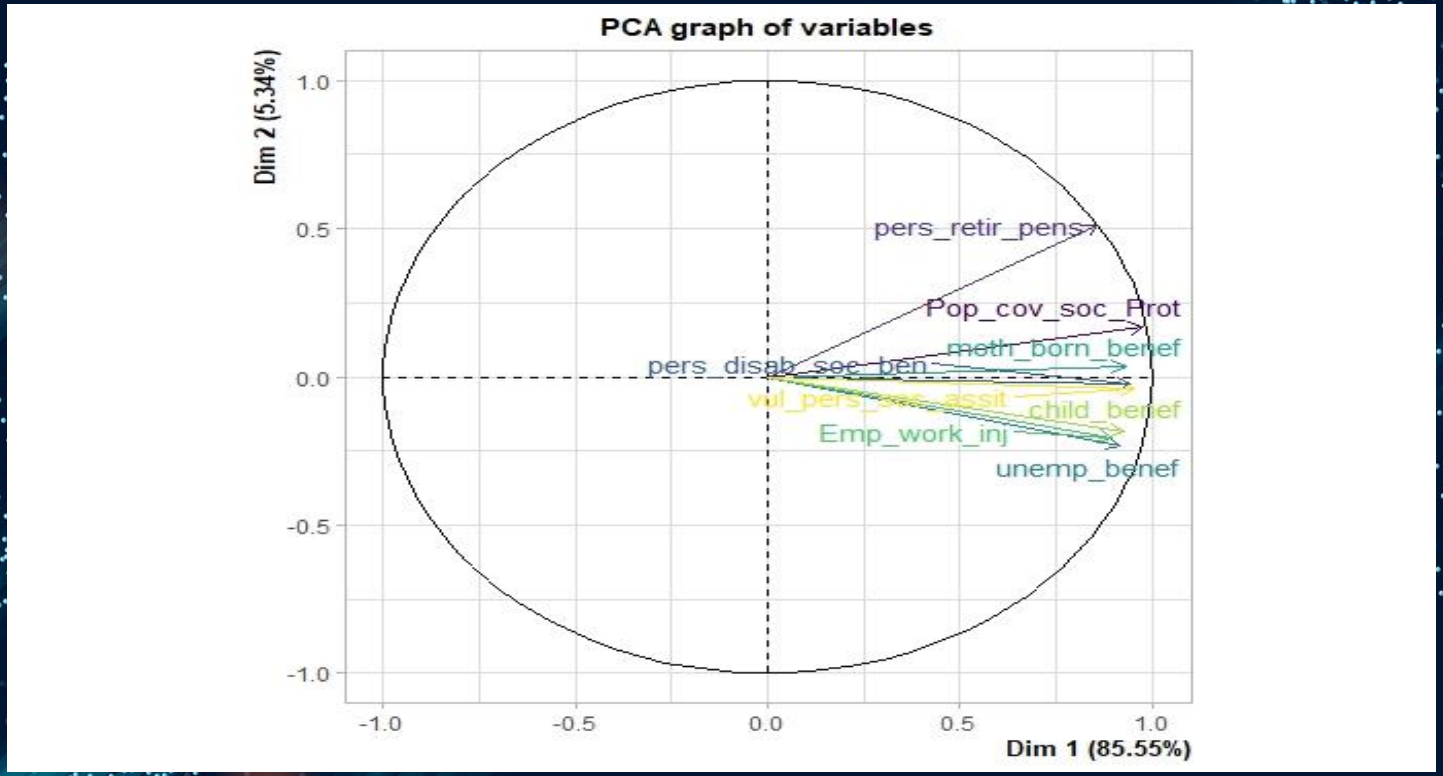
SOME EXPLORATION RESULTS

Principals Component Analysis



SOME EXPLORATION RESULTS

Principals Component Analysis : Correlation Circle



Conclusion

1. We can notice how COVID-19 has an impact on SDG3 (Good health and well-being) through new cases and deaths which are not negligeable and which have increased over time.

2. Despite all the questions around the vaccines, we can see how in some regions it is administered in large numbers (example WPRO)

3. We can also notice how COVID-19 led to the closure of schools which would have an impact on SDG4.

THANK YOU